VOL. 18 NO. 4 • 1961 Issue No. 77

THE FOCAL SPOT

Post - Convention Issue
THIRD
INTERNATIONAL

URNAL OF THE CANADIAN SOCIETY OF RADIOLOGICAL TECHNICIANS

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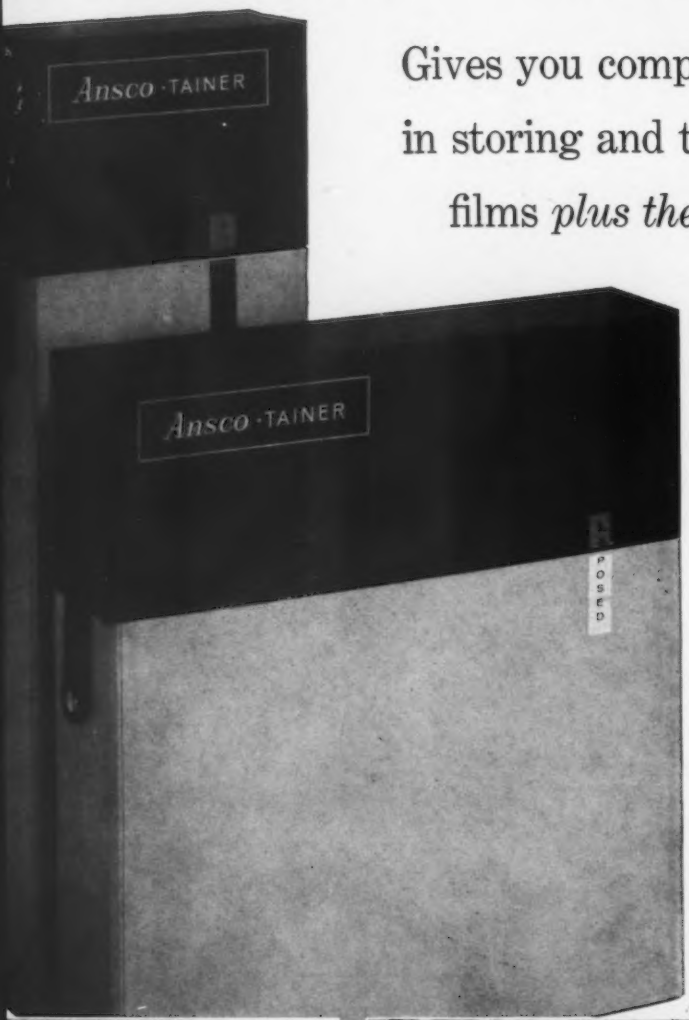

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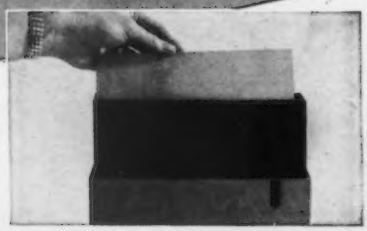

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CANADIAN SOCIETY OF RADIOLOGICAL TECHNICANS

CONDENSED AND SUMMARIZED MINUTES

Annual General Meeting—June 26-29, 1961
Queen Elizabeth Hotel, Montreal, P.Q.

President, Miss Katherine M. Creelman, R.T., presided at all meetings. Directors present were Misses O. E. Gundrum (Manitoba and M. J. Martin (Ontario), Messrs. F. J. Callaway (Alberta), D. B. Bursey (New Brunswick), J. Hearn (Newfoundland), P. Maloney(Saskatchewan), W. E. Noel (Nova Scotia), H. J. Ward (B.C.), G. A. Wilkinson (Quebec), I. R. Fisher, Dr. P. G. Loder. Absent Dr. J. G. Stapleton.

Official Delegates present—Miss M. Nagelstock (Manitoba), Messrs. R. Belbin (Newfoundland), L. W. Bowman (Nova Scotia), D. Fisk (Quebec), J. S. Flanagan (Ontario), G. C. Hall (Alberta), M. E. Lockwood (B.C.), D. Liston (New Brunswick), W. Rauliuk (Saskatchewan).

MINUTES: Minutes of the 18th Annual Meeting were approved as published in *The Focal Spot*, No. 4, 1960, on motion of Doern-Fisk.

AUDITOR'S REPORTS: Accepted as printed on motion of Hearn-Rev. Sr. M. Roselina. The Society has a credit balance of $20,227.30 as of April 30, 1961.

On motion of Wilkinson-Fisher it was agreed that the Society purchase $5,000.00 worth of Government bonds.

On motion of Hearn-Noel it was agreed that the Directors' Expense Fund levy would not be made in 1962, and would be reviewed annually.

Mr. H. L. Warren was re-appointed Auditor for the ensuing term.

BY-LAW AMENDMENTS:

Section 12—Delete all references to "Registrar" and substitute "Executive Secretary."

(a) In all instances where the term "SecretaryTreasurer" now appears this shall be changed to read "Executive Secretary."

Section 30 to be deleted in its entirety and the following substituted:

OFFICERS: The Society shall have the following officers:

(a) An Honorary President, a President, a Vice-President, an Executive Secretary, an Honorary Secretary, an Honorary Treasurer and an Honorary Solicitor.

(b) The Honorary President shall be the President of the Canadian Medical Association.

(c) The President shall be elected from the current Board of Directors, herein called the Current Board, who were elected under subsection (c) of Section 13 and who are the Directors then in office at the time of the annual meeting, as distinguished from the Directors elected at the time of the annual meeting, herein called the Incoming Board. Where the person who is elected to the office of President is a Director whose term of office ordinarily expires at the end of the annual meeting, such person shall thereupon be deemed to be elected as Director for a further period of one year to coincide with the period of his office as President. Notwithstanding anything contained in these By-laws, the election of the President shall not be by ballot of the Active Members of the Society in person or by proxy at any annual general meeting of the Society, but shall be by ballot of the Active Members of the Society and of the Member-Society delegates, appointed pursuant to Section 46, obtained in the following manner, that is to say:

(1) Not less than thirty (30) days before the date fixed for the holding of an annual meeting of the Society, the Executive Secretary shall send by prepaid post to every member and Member-Society delegate entitled to vote at such meeting a list, addressed to such member or delegate at his mailing address as entered in the records of the Society, bearing the names of such person or persons as are nominated eligible, and willing to stand for election as President of the Society for the ensuing term, together with a notice advising,

(i) (If there is only one candidate for the office of President) that one vote for or against the election of such candidate may be registered by writing the word "yes" or "no" respectively, opposite the candidate's name on the list referred to, or

(ii) (if more than one candidate is running for the office of President) then that one vote for one only of such candidates may be registered by marking an "X" after the name of such candidate,

and by the re-delivery of the said list by mail or otherwise to the Secretary of the Society prior to the date so fixed as afore-

Continued on Page 212

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Continued from Page 210

said for the holding of the annual general meeting. If a Member-Society delegate is the delegate for more than one Member-Society, then he shall be furnished with as many copies of the list and shall be entitled to as many votes as there are Member-Societies for whom he has been appointed the delegate as aforesaid.

(2) The notice above referred to shall indicate the mailing address of the Secretary; and shall advise the member to whom it is addressed that he will receive no other opportunity to vote either in person or by proxy for the election of President of the Society for the ensuing term.

(3) All such votes delivered to the Secretary prior to the date fixed for the holding of the annual general meeting referred to therein, shall be valid votes for the election of President.

(4) Should there be only one candidate for the office of President, his election or defeat shall be determined by the majority of "yes" and "no" votes respectively received by the Secretary within the time above prescribed; and should there be more than one candidate for the office of President, the election of President shall be determined by a simple majority of the votes cast.

(5) Votes cast for the election of President in the manner herein prescribed shall not be considered to be votes cast at a meeting of members of the Society by members entitled to vote thereat, within the meaning of Section 42.

(6) In the event of failure to elect a President according to the election process described in this section, the General Assembly shall nominate candidates from the Current Board of Directors and the election process shall be carried out by ballot of those members attending and of proxies held.

(d) The Vice-President shall be nominated in the usual manner, from that portion of the Incoming Board, as defined in sub-section (c), Section 30.

(e) The Executive Secretary and the Honorary Solicitor shall respectively be appointed by the Board of Directors. The Honorary Secretary and Honorary Treasurer shall be appointed by the Board of Directors at the annual meeting and shall carry out all such duties as the Board of Directors may from time to time designate.

Section 31:

The Executive Secretary of the Society shall be appointed by the Board of Directors for a term of office to be decided from time to time by the Board. Remuneration of the Executive Secretary shall be as designated from time to time by the Board of Directors.

Section 32: Duties of the Executive Secretary:

(a) To act as chief administrative officer of the Society and to be directly responsible to the Board of Directors.

(b) To keep the official Registry of the Society.

(c) To be the custodian of the Seal.

(d) To carry on the necessary correspondence of the Society and to issue or cause to be issued notices of meetings of the Society as directed.

(e) To see that full and accurate accounts of all receipts and disbursements are kept in proper books of accounts.

(f) To see that all monies and other valuable effects are deposited in the name and to the credit of the Society in such bank or banks as may from time to time be designated by the Board.

(g) To co-sign all cheques, notes, bonds, etc., that the Board has approved or has given reason for approval.

(h) To sign all By-laws.

(i) To carry out such other duties as the Board of Directors may from time to time designate.

A new printing and new format of the Constitution, By-laws and Rules and Regulations is to be done as soon as possible.

COMMITTEE REPORTS:

AWARDS: Report accepted as printed on motion of Flanagan-Bursey.

The Committee's recommendations were approved with the exception of No. 8 and this was deferred until a later date.

It was decided that all essays would be sent to the Secretary, C.S.R.T., not later than December 15th each year.

The Programme Chairman is to be notified of number of entries and the titles by January 1st each year.

Names of winners and the titles of their papers are to be sent to the Chairman of the Programme Committee by March 1st each year.

Mr. John Hearn, R.T., General Hospital, St. John's, Newfoundland, won the Gevaert Gold Medal and cash award; Miss Avril Rickard, R.T., of Royal Victoria Hospital, Montreal, won the Gevaert Silver Medal and cash award, and Miss June Palmer of the Montreal General

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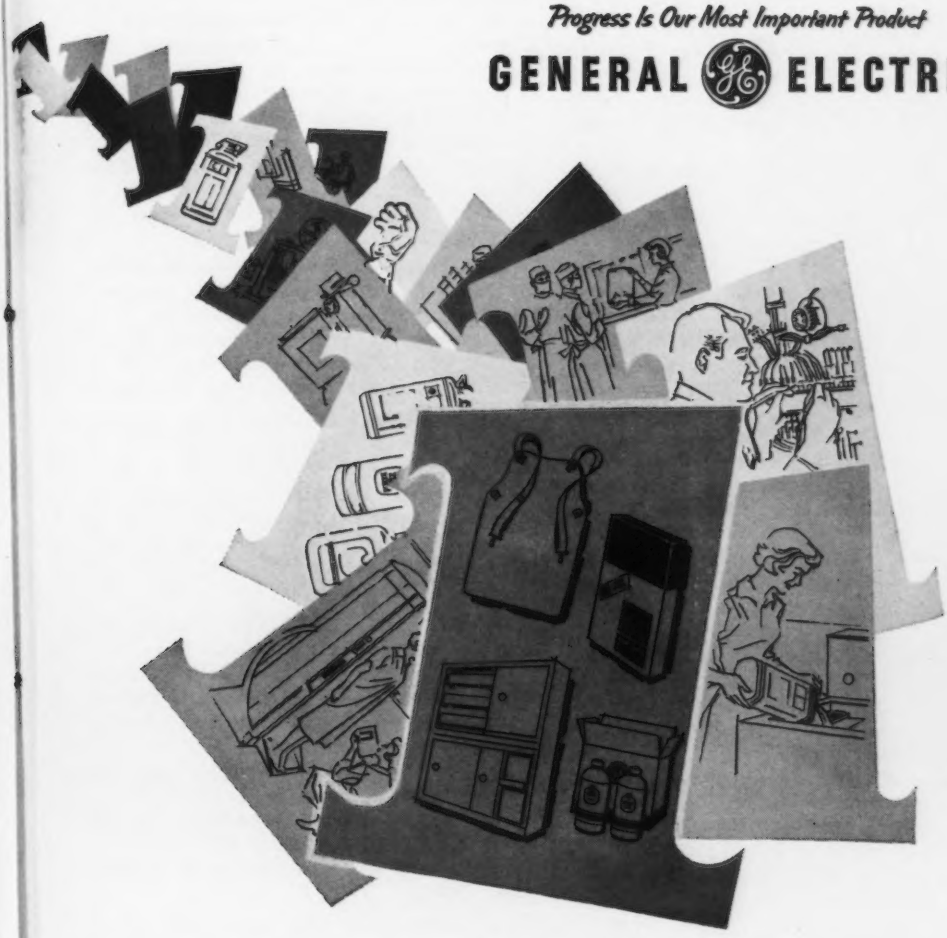

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Continued from Page 212

Hospital won the Gevaert Bronze Medal and cash award. The George Reason Cup for the best exhibit was awarded to Mrs. Patricia Windler, R.T.(R.), McGregor Clinic, Hamilton, Ontario.

Rules and Regulations governing all Awards are to be published in the Post-Convention issue of *The Focal Spot* in such a manner that it may be detached for future reference.

It was agreed on motion of Maloney-Ward that Dr. J. D. Stevenson, Chairman, and Messrs. J. S. Flanagan and K. J. Newell be members of the Awards Committee for the ensuing term.

ADVISORY: Miss K. M. Creelman becomes the junior member, Mr. W. Doern retires, and Miss M. A. McMillan becomes the Chairman. Mr. I. R. Fisher is the other member.

BROCHURE: The brochures (folder and booklet) have been produced at a total cost of $1,004.78 for 20,000 folders and 5,000 booklets. There have been some complaints that not enough publicity had been given to the male technicians in the field. This will be remedied in the next printing. A supply is to be sent to each Member-Society and additional copies of the booklet to be supplied at a cost of five cents per copy. A French edition is being printed also.

Report accepted as printed on motion of Doern-Whatley.

FELLOWSHIP: Report accepted as distributed on motion of Martin-Wilkinson.

This year for the first time a course in the French language was presented at the University of Montreal and 73 registered. The English course was held at McGill University and 47 attended it.

It was agreed that the French course would be continued, preferably in the Fall, and that the lectures should cover the same material as those in the previous English course. Rev. Sr. Judith Marie, R.T., of Ste. Justine Hospital, Montreal, was appointed a member of the Committee.

After considerable discussion it was agreed on motion of Liston-Doern that the recommendations of the Committee be accepted for study and consideration.

Agreed that Mr. A. A. King should remain as Chairman with the following members: Mr. F. J. Callaway, Mr. P. J. Strelioff, Rev. Sr. Judith-Marie and Mr. R. Fujimoto.

As at April 1, 1961, the Fellowship Account had a credit balance of $535.46.

INTERNATIONAL ORGANIZATION: Report accepted as printed on motion of Rev. Sr. Mary Emily-Belbin.

It is hoped that there will be a good attendance at the second meeting of the International Secretariat of Radiographers and Radiological Technicians which will be held at the time of the Tenth International Congress of Radiology in Montreal from August 26th to September 1st, 1962.

LAW: Report accepted as revised on motion of Martin-Lockwood. (See By-law changes.) Mr. D. L. Thompson has resigned. Mr. I. R. Fisher has agreed to remain as Chairman for the ensuing term. Mr. John Hearn and Miss M. A. McMillan are the members of this Committee.

LEGISLATION ADVISORY (New): Agreed on motion of Callaway-Noel that an Advisory Committee on Legislation be set up to act as a clearing house for information and advice to Member-Societies seeking legislation. Mr. J. P. Connell, R.T., Chairman, with Dr. J.-Pierre Jean and Mr. Wm. Doern, R.T., as members.

PERSONNEL PRACTICES: Report accepted on motion of Fisk-Rauliuk.

Member-Societies are urged to keep this Committee up-to-date on information regarding salaries and working conditions so that it may be able to function efficiently.

Mrs. M. Walker, R.T., re-appointed Chairman with representatives from the Member-Societies. Agreed on motion of Martin-Andrais that we maintain our stand that the vacation period for radiological technicians should remain at four weeks a year.

PUBLICATIONS (*The Focal Spot*): Report accepted as printed on motion of Liston-Hearn. Agreed on motion of Bowman-Bursey that the Editor's salary be increased from $1,500 to $1,800 a year.

Advisory Committee's report was accepted as printed on motion of Rothwell-Duffey. Agreed that distribution of *The Focal Spot* should be consolidated and that the Better Business Unlimited of Hamilton, Ontario, would handle the distribution. Mrs. Hood will attend to the billing of renewals and new subscriptions.

It was agreed that subscription to *The Focal Spot* be optional to Non-Active members where it is not included in the annual dues.

Mr. H. J. Menagh's work as Circulation

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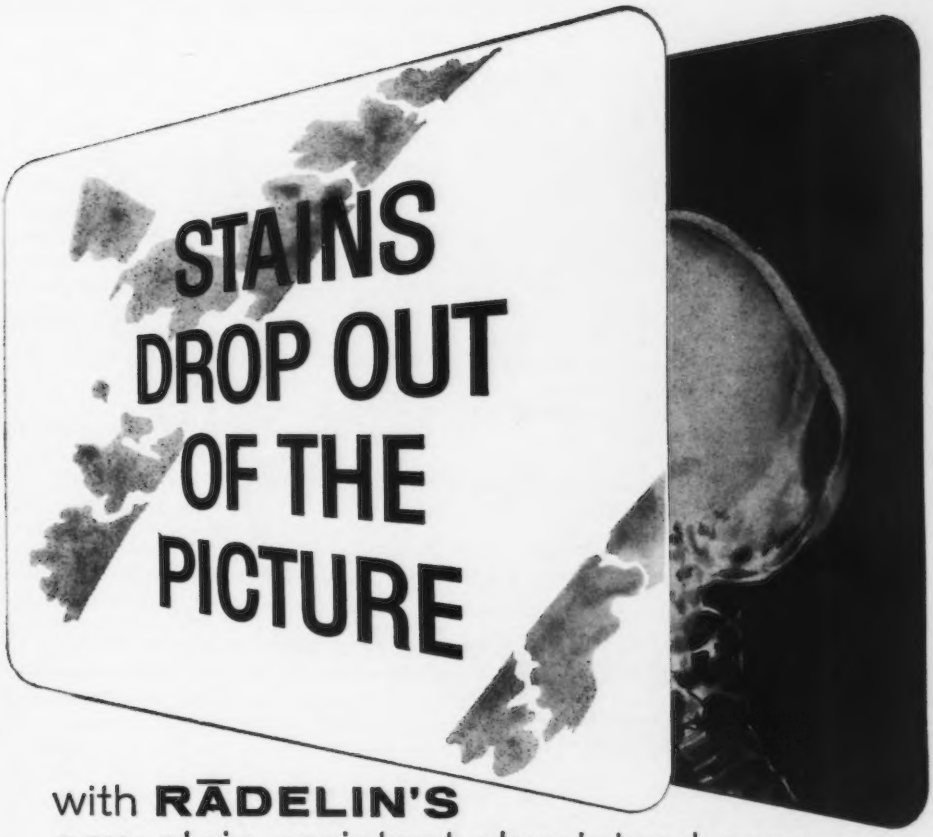

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Continued from Page 216

Manager being completed, he was given an honorarium of $125.00 on motion of Noel-Ward.

PUBLIC RELATIONS: Miss A. N. Plowman has resigned as Chairman; Miss Jane Huggins, R.T., Princess Margaret Hospital, Toronto, was appointed to take her place. The Directors of the Member-Societies are responsible for the supervision and co-ordination of public relations in their province and should report to the Chairman.

QUALIFICATIONS (C.O.Q.): Report accepted as distributed on motion of Ward-Bolster. The logbooks are to be forwarded with the application to write the examination.

Examination questions will be published but not the answers nor will marks be given.

Committee plans to meet at least four times during the year, before and after each examination. Applications to write examination will not be considered after the Committee has met before the examination.

The work of the Committee has increased tremendously due to the large increase in number of applicants. The Committee is to be enlarged.

Distribution of examination fees changed (see Resolution No. 2).

It was suggested that an instruction sheet be issued with the logbook so that it will be properly completed.

Third-year students' status — Agreed on motion of Callaway-Maloney that they be regarded as students during their period of training in therapy (radiography) PROVIDED they resign from the C.S.R.T. as a Registered Technician for that year; otherwise they must pay full Active dues.

C.O.Q. Personnel: Dr. J. P. Jean, Chairman; Radiologists—Dr. B. McPhillips, Dr. Y. Methot, and Dr. D. G. Wollin of Kingston, Ontario; Technicians—Miss E. M. Bolster, R.N., R.T., Kingston, Ontario; Miss M. E. Macbean, R.N., R.T., and Mr. A. Stechyshyn of St. Catharines. Secretary—Rev. Sr. Judith-Marie, R.T., Ste. Justine Hospital of Montreal.

RESOLUTIONS: Report accepted as printed on motion of Walker-Peco.

Resolution No. 1:

WHEREAS there has been much discussion concerning preliminary educational qualifications of candidates for C.S.R.T. examination, and WHEREAS the term "Junior Matriculation" is somewhat ambiguous, having different meanings in each province, and in some provinces the term is not used at all, and WHEREAS it is desirable to have uniform academic qualifications for applicants to training schools throughout Canada, THEREFORE BE IT RESOLVED THAT the C.S.R.T. appoint a Committee (perhaps the Committee on Qualifications) to investigate the possibility and feasibility of adopting a system whereby preliminary requirements are more accurately specified—example, specific subjects required and the percentage required on the necessary subjects, to qualify the student to sit for the examinations.

This resolution accepted on motion of Liston-Fisk and referred to the Committee on Technical Training for investigation.

Resolution No. 2:

WHEREAS the present division of the examination fees was arranged to help provide the C.S.R.T. with a fund of working capital; and WHEREAS the C.S.R.T. has been able to build up a sizeable fund through examination fees and membership dues; and WHEREAS the Committee on Qualifications should receive an equitable portion of the fees, particularly to permit more meetings of the Committee; and WHEREAS the Member-Societies could benefit greatly in sharing more fully in the examination fees, particularly for such projects as registration by legislation, recruitment and public relations programmes, refresher course programmes and graduation ceremonies; THEREFORE BE IT RESOLVED THAT the division of the C.S.R.T. examination fees be revised to provide a fairer distribution among the C.S.R.T., the C.O.Q., and the Member-Societies as follows:

Fee	C.S.R.T. Portion	C.O.Q. Portion	Member-Society Portion
$15.00	$5.00	$5.00	$5.00
10.00	3.50	3.50	3.00
5.00 (unchanged)	1.50	2.50	1.00

This resolution was accepted on motion of Bolster-Drury.

It was agreed that all resolutions would be sent to the Secretary, C.S.R.T., properly set up and signed by the mover and seconder. The Secretary will forward copies to interested parties. Deadline 120 days (4 months) before Annual General Meeting.

Committee personnel—Chairman, Miss T. Amos; members, Messrs. H. J. Ward and P. Maloney.

SCRUTINEERS: Ballots mailed, 1,530; returned, 338.

Continued on Page 269

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STANDING COMMITTEES

Committee on Qualifications

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DR. J. P. JEAN
3465 Côte des Neiges Rd., Suite 3, Montreal, P.Q.
DR. B. McPHILLIPS
General Hospital, St. Catharines, Ont.
DR. D. G. WOLLIN
Kingston General Hospital, Kingston, Ont.
BI-LINGUAL MEMBER - THERAPY MEMBER
DR. YVAN METHOT
Hopital Notre-Dame, 1560 Sherbrooke E.
Montreal 24, P.Q.

TECHNICIAN MEMBERS
MISS M. E. MACBEAN, R.N., R.T.
2370 Palmerston Ave., West Vancouver, B.C.
MR. ANTHONY STECHYSHYN, R.T.
General Hospital, St. Catharines, Ont.
MISS E. M. BOLSTER, R.N., R.T.
Kingston Cancer Foundation, Kingston, Ont.

All correspondence for Committee on Qualifications to be addressed to Secretary
REV. SISTER JUDITH MARIE, R.T.
3175 St. Catherine Rd.
Montreal, P.Q.

JOINT COUNCIL ON TECHNICAL TRAINING (C.A.R.-C.S.R.T.)

Committee on Technical Training (C.A.R.)

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St. Joseph's Hospital, Saint John, N.B.

CHAIRMAN AND CHAIRMAN OF COUNCIL
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250 Main Street East, Hamilton, Ont.

MEMBERS
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1541 West Broadway, Vancouver, B.C.

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Kingston General Hospital, Kingston, Ont.

E. W. SPENCER, M.D.
University Hospital, Saskatoon, Sask.

J. PIERRE JEAN, M.D.
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G. GILL, M.D.
Radium Institute, 4120 Ontario St. E., Montreal, P.Q.

P. G. LODER, M.D.
General Hospital, Belleville, Ont.

R. J. WALTON, M.D.
Winnipeg General Hospital

W. L. ORR, M.D. (R.C.A.F.)
Canadian Forces Hospital, Ottawa

W. M. LITTLE, M.D. (R.C.N.)
Canadian Forces Hospital, Halifax, N.S.

Committee on Technical Training (C.S.R.T.)

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366 Brock Street, Winnipeg, Man.

MEMBERS
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MR. G. A. WILKINSON, B.Sc., R.T.
4377 Grand Blvd., Apt. 36, Montreal 28
MR. W. E. NOEL, R.T.
30 Melwood Ave., Armdale, N.S.
SECRETARY TO COUNCIL
MISS A. N. PLOWMAN, S.R.N., M.S.R., R.T.
Princess Margaret Hospital,
500 Sherbourne Street, Toronto, Ont.

Resolutions Committee

MISS T. AMOS, R. T. (Chairman)
St. Joseph's Hospital, Saint John, N.B.
MR. H. J. WARD, R.T.
3392 Salisbury Way, Victoria, B.C.
MR. P. MALONEY, R.T.
University Hospital, Saskatoon, Sask.

Committee on Law

CHAIRMAN
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New Mt. Sinai Hospital, Toronto, Ont.
MR. J. HEARN, R.T.
115 Springdale St., St. John's, Nfld.
MISS MARY A. McMILLAN, R.N., R.T.
Ste. 603, 1347 Nicola St., Vancouver 5, B.C.

Committee on Awards

CHAIRMAN
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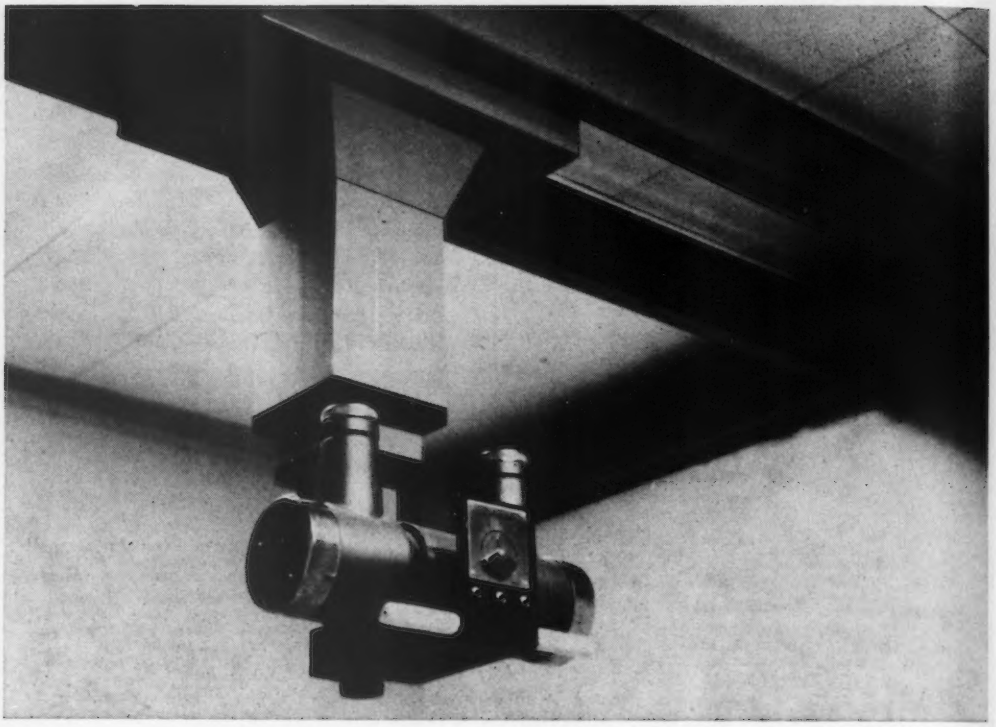

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LESLIE J. CARTWRIGHT, R.T.
EDITOR

Volume 18 TORONTO 1961 NO. 4 *Issue No. 77*

The Tenth Welch Memorial Lecture

Technical Understanding of the Kidney Function

By GUILLAUME GILL, M.D., E.D., F.A.C.R.
Honorary Life Member, C.S.R.T.
Montreal, Que.

THE presentation of the Welch Memorial Lecture is one of the most important events cians. Every member wishes to be prehe Canadian Society of Radiological Technitaking place at the annual meeting of tsent to hear the Lecturer and also to pay a tribute to a man who, after Conrad Roentgen, said many times in on many occasions:

"All our ambitions should be devoted to a faithful fulfilment of duties towards others as well as to ourselves."

When I received the invitation to present the Tenth Welch Memorial Lecture, my first reaction was against accepting it. On second thought, however, I realized how great was the honour to have been invited to speak on such an occasion and, particularly, at this Third Joint Meting of the C.S.R.T. and A.S.X.T., here in Montreal.

In reviewing the list of previous Lecturers, I also realized that it has been a restricted and surely coveted privilege for Radiologists to receive such an invitation. Dr. Marshall Mallett in 1952, and Dr. Edward Petrie in 1953, at the First International Joint Meeting, were the only Radiologists invited as Welch Memorial Lecturers. It is also at this moment that I realized that your Executive was more than generous in giving me this new honour after having presented me with a Certificate of Honorary Life Membership in the C.S.R.T. in 1957. My predecessors—Radiologist-Lecturers—have also a similar certificate of Honorary Life Membership in the C.S.R.T. I am personally proud to be a "Technician" and my certificate has a place of honour in my office and, moreover, in my heart.

Herbert Welch, born in Ashton-under-Line, England, in 1888, came to Canada in 1908, at 20 years of age. Bert, as every one used to call him, trained as an electrician in England. At the outbreak of the First World War in 1914, he went overseas with the Corps of Engineers, Canadian Army. As an electrician, his talents were used in the installation of x-ray units for the Army Hospitals. He then became interested in what later proved to be his life's work.

Presented at the Third International Convention, ASXT-CSRT, Montreal, June 1961.

On returning to Canada after the war, he took an x-ray training course in Toronto and joined the staff of Colonel Belcher Hospital in Calgary, where he remained until his death in March, 1951.

My appointment to the Board of Directors of the Canadian Society of Radiological Technicians as Representative of the Canadian Association of Radiologists, gave me the great opportunity to meet Bert at the Annual Meeting of the C.S.R.T. at Vancouver, B.C., in September, 1950.

It was relaxing to see Bert, the smiling and rather frail Westerner, bearing the famous and now legendary "Ten Gallon Hat," standing on the platform of the railway station and welcoming C.S.R.T. members, friends, delegates, directors, coming out of one of the first trains to "go west" after the national rail strike of 1950. President Welch had lived many anxious hours on the verge of being forced to cancel the C.S.R.T. meeting for lack of transportation to Vancouver. However, we were there and the opening assembly could be called on time.

This was the only occasion given me to meet Bert Welch in person, but I would like to repeat what I often said about President Welch—and also about other C.S.R.T. Presidents and Board Members—that I have been favourably impressed by his capacity for concentration, his ability at conducting a discussion, his sincerity in consideration of problems at different levels, federal, provincial, and even lingual.

As a most active member and as President of the C.S.R.T., Bert Welch contributed in paving the way to improvement of educational standards of training for technicians and better relationship between technical and medical staffs.

As the 1961 Welch Memorial Lecturer and with all my predecessors in this honourable function, I would like to repeat what Mr. Cheffins said last year, on a similar occasion, "The spirit of Bert Welch will always be guiding and we shall always remember him!"

Technical Understanding of the Kidney Function

THE title of my paper tells you already that I want to talk about an easy subject and I hope to be able to clarify in your mind a few points that you should understand while doing your routine intravenous urography examinations. It may also prove to be of some benefit to you in facilitating your work in this field.

I must say, however, that the technique which I developed and tried to explain on many occasions since 1941, is now much better understood by our present generation of technicians.

Nevertheless, I sometimes take time and pleasure in questioning technicians regarding the exact meaning of what is seen on the radiographs and the right understanding of the kidney function. I am often surprised to receive answers proving that some technicians do not know what is happening in the course of intravenous urography. A frequent answer is: "I don't know why—but the Radiologist knows" . . . some will even add "I hope"!

Here is the "I do not know why" answer that I would like to make clear to you.

We all know that the function of the kidney is physiological and constant. The collecting system is, by definition, a system of funnels and ducts for the collection of the excreted urine by the kidney.

This function is mostly mechanical. The kidney pelvis is a small reservoir and the ureter is the main duct draining this small reservoir into a larger one, the bladder.

There exists some similarity between the collecting system of the kidney and the drainage system of a house or a town.

The collecting system of the kidney is, however, a closed circuit, open only at its lower end, without any provision for overflow, should a certain blockage be taking place along its main duct, the ureter.

This attitude in looking at the collecting system will already permit you to visualize in your mind what is happening when something goes wrong in the mechanical draining system and, also, to understand why some modification of the normal image is noticed on your radiographs.

In previous articles, I had the opportunity to comment on the relationship between the physiological function of the kidney and the mechanical one of the ureter.

Let us imagine that a calculus, or any other obstructing material, causes ureteral blockage. The regular flow of urine towards the bladder is disturbed to various degrees, according to the importance of the block. You will understand that the urine will then accumulate above the blockage, causing retention and increase of pressure.

When the pressure rises in the collecting system, the most alarming clinical symptom — *pain* — appears immediately. It has been established that a moderate rise of pressure in the kidney pelvis (33 mm Hg) is adequate to produce pain. This increase of pressure in the renal pelvis is the essential cause of the typical pain in renal colic. The constant physiological function of the kidney keeps up this pressure in the kidney pelvis and, therefore, causes the pain to persist.

In sudden obstruction by calculi, the contractility of the ureter, early in the crisis, battles against the obstacle. These forced contractions are partly and mildly responsible for the pain. But this contractile power, however, rapidly diminishes and becomes ineffective. The ureter is deprived of contractions, becomes larger and takes the appearance of a rigid tube.

The patient, at this phase, is usually directed to the Department of Radiology for examination, which is, generally, an intravenous urography.

On the first radiographs taken following the injection of the contrast medium, the dye, *on the normal side*, will rapidly be shown in the collecting system, as it is eliminated in the first minutes following the injection.

On the other hand, there will be no visualization of the collecting system, where the interference of the ureteral transit is present. The blockage, existing since a certain time, will retain in the collecting system a large quantity of urine 'excreted by the kidney prior to the injection of the iodized medium. Obviously, this urine does not contain any dye and, therefore, is not visible on your radiographs.

We have again to refer to the water supply system of your home. Imagine that you want a drink of cold water; you open the faucet to drain out the warm water retained in the system, until the cold water comes up from the cellar and out of the faucet. If you are using a large opening, the cold water will be available in a few seconds. On the contrary, if you use a small opening of the faucet, the warm water will only drip and it will take longer time to obtain your cold water.

The phenomenon observed in the case of a calculus blocking the ureter is comparable to the one taking place in your home water supply. As a closed faucet

retains the warm water and prevents the cold water coming up from the cellar, the calculus retains, in the collecting system, the urine—which we will call the "No. 1 urine, not containing any dye." As the warm water has to be evacuated to obtain the cold, this "No. 1 urine" has also to be evacuated from the collecting system before being replaced by the "No. 2 urine, containing the dye," in order to obtain the proper visualization of the collecting system.

When blockage exists, the more complete the ureteral interference the longer the time it will take to obtain, in the first instance, the evacuation of urine No. 1 and, in the second instance, the refilling of the collecting system by the urine No. 2.

This fact explains the relationship between the severity of the blockage and the time it takes to obtain a good filling and visualization of the collecting system by the new urine containing the dye.

There is also a relationship between the severity of the blockage and the pain suffered by the patient. It appears encouraging when the patient feels his pain. It means that the renal function is still existing, since it is necessary to keep up the pressure in the renal pelvis, main cause of the typical pain in renal colic.

It may be necessary also, that you realize that the kidney is an excretory gland and the ureter its excretory canal. One has to remember the principle of physiology that ligtation of an excretory canal will destroy the function of a gland.

A calculus blocking partially or completely a ureter is acting as a partial or severe ligation. Therefore, modification of the intensity of pain may signify two distinct and completely opposite effects. Most often, diminution in pain means that the calculus is eliminated or that the degree of blockage to ureteral transit has decreased, thus allowing better function of the ureter, lesser pressure and less marked dilatation of the kidney pelvis. In such a case, the physiological function of the kidney has a tendency to re-establish itself at the same level as before this crisis of renal colic or the blockage to ureteral transit. This is always observed when the calculus is small and causing only a partial blockage which nevertheless permits progression of the urine towards the bladder.

On the other hand, diminution in pain may mean that the physiological function of the kidney is disappearing because of loss of kidney pelvis pressure, which is necessary to produce pain. Alteration in excretory power of the kidney is an important sign which we ought to recognize early if we are to save the physiological function of the organ.

This particular condition is generally encountered in patients with calculi situated high in the uretero-pelvic junction. In such cases, the calculus is usually too large for its descent into the bladder. Moreover, the ureter at its junction with the kidney pelvis has a funnel shape and the calculus acts as a cork, completely blocking the ureter. After this complete obstruction, the collecting system above the obstacle is highly dilated, and urinary stasis prevents continuation of renal function. The physiological function of the kidney then quickly disappears, following impairment of the mechanical function of the ureter.

It can now be stated definitely that it is clinically impossible, when pain has disappeared during early treatment of renal colic, to conclude that the calculus has been passed or physiological function of the kidney re-established. It is no longer permissible to discharge a patient without pain before the functional value of the kidney and the true meaning of the absence of pain have been clearly ascertained by intravenous urography.

When the patient is feeling well, we must be much more careful and take every means at our disposal to verify, as often as necessary, the site of the calculus and the functional state of the kidney. The following case illustrates this point:

Case J.M., aged 37, complained on September 14th, 1952, of a sharp pain in the left lumbar area, characteristic of renal colic. Hypodermic injections had little or no effect on the pain. The following morning, September 15th, the pain was not as severe and it disappeared completely on September 16th. On September 17th, intravenous urography showed a large calculus imbedded at the left uretero-pelvic junction with stasis of the opaque substance injected four hours previously. The patient had no pain. We already suspected an alteration in physiological function of the kidney. A plain film was taken the following morning and the dye injected 24 hours before was still visible above the calculus.

Two hours later, the patient was operated on and the calculus removed after ureterography. Recovery was uneventful.

On November 6th, 1952, control intravenous urography showed the mechanical function of the ureter, and thus normal renal physiological function, re-established.

In the case of a pregnant woman, it is common to note some modification of the collecting systems and of kidney function, resulting from extrinsic compression of the ureters. Blockage of the mechanical function of the ureters is only partial and function is quickly restored to normal a few days after delivery, when ureteral function has again become normal.

Blockage of ureteral transit may also be caused by scarring, adhesions, aberrant vessels or any other congenital anomalies.

In slow and progressive obstruction coincident with the development of certain abdominal conditions—deep-seated tumours, cancers of the genitals invading the parametrium, cancer of the bladder or prostate—the patients, in the early phase of blockage of ureteral transit, complain only of vague pain. Intravenous urography will then reveal a delay in visualization of the opaque medium in one or both collecting systems, if there is unilateral or bilateral invasion of the ureters. It should be noted that blockage, at the beginning, usually takes place on one side only. It is much later, following the development of the tumour, that the other side is involved. In unilateral block, the kidney eventually ceases functioning without affecting the general condition of the patient. On the contrary, if blockage is bilateral, there is a rapid rise in blood urea which becomes irreducible. The patient dies from uraemia by destruction of the physiological function of the kidneys as a result of the more and more extensive and progressive interference with mechanical function of the ureters. In these cases, only transplantation of the ureters may restore the renal function, lower the blood urea and prolong the life of the patient.

This fact, currently recognized, is sufficient alone to establish the importance of maintaining the mechanical function of the ureters to safeguard the physiological function of the kidneys.

I do hope that you now realize how important it is to understand the mechanism of the double function that exists; firstly, the physiological one for the kidney; secondly, the mechanical one for the ureter. You realize also how important is the inter-relationship between these functions.

The comparison with the water and sewage system of a house will help you to better understand the phenomena that are taking place and I do hope that you

will now find more pleasure in doing your work in this field.

Summary and Conclusions

1. The kidney is an excretory gland, its function is physiological and constant.

2. The collecting system is composed of ducts and its function of transferring the urine to the bladder is mostly mechanical.

3. The mechanical function of the ureter must be maintained in order to safeguard the physiological function of the kidney.

4. Technicians must clearly understand the relationship between these functions, if they want to take their radiographs at the appropriate time and avoid repeats or uncompleted examinations.

5. Technicians must be in the position of following the progress of the examination in its different phases by giving more attention to the physiological function.

6. When ureteral obstruction is clinically suspected, the technician should be able to demonstrate its site and importance for the guidance of the urologist in the elaboration of the appropriate treatment.

7. In progressive or complete extrinsic compression of the ureter, findings are identical. If compression cannot be relieved early enough, loss of physiological function of the kidney is irrevocable.

8. These principles and examples are given to show the technicians the extreme importance of properly understanding the relationship between the various functions taking place in the course of examination of the kidney by intravenous urography.

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Résumé

1. Le rein est une glande excrétice avec fonction physiologique constante.

2. Le système collecteur, formé de canaux divers a pour fonction de canaliser l'urine vers la vessie. Cette fonction est en majeure partie mécanique.

c. *La fonctionmécanique de l'uretère doit être maintenue si l'on veut sauvegarder la fonction physiologique du rein.*

4. Le téchnicien doit clairement comprendre la relation entre ces fonctions, pour pouvoir prendre ses radiographies au bon moment et éviter d'être obligé de recommencer l'examen.

5. Le téchnicien doit porter une attention plus soutenue à la fonction physiologique du rein, pour lui permettre de mieux suivre le progrès de l'examen dans ses différentes phases.

6. Si une gêne au transit urétéral est suspectée, le téchnicien doit être capable de préciser l'endroit et l'importance de la gêne, pour guider l'urologue dans l'application du traitement.

7. Au cours des compressions extrinsèques, progressives ou complètes, les signs sont les mêmes. Si la compression ne peut pas être enlevée assez à bonne heure, la perte de la fonction physiologique du rein est irrévocable.

8. Ces principles et ces exemples sont exposés pour montrer aux téchniciens l'importance de bien comprendre la relation entre les différentes fonctions qui se succèdent au cours d'un examen des reins par l'urographie intraveineuse.

MONTREAL MONTAGE

Third International Convention, ASXT-CSRT, June, 1961

By LESLIE J. CARTWRIGHT, R.T.

When your reporter arrived at the Queen Elizabeth Hotel on Saturday afternoon the registration was already over 1,000 and more than one hundred of these had been in Montreal for the past week taking the French and English Pre-Fellowship Courses. By Sunday evening another 400 had arrived and the final registration reached an all-time high of nearly 1,600—1,584 to be exact. Of these some 400 were Canadians, which we think is a Canadian record. So from a numerical point of view it can be reckoned a big success. We think the following pages will show that it was also very successful from the educational and social viewpoints.

PRE-FELLOWSHIP LECTURE SERIES

The Pre-Fellowship lecture course in English was held at McGill University from June 19th to 23rd and the French series at the University of Montreal during the same period. Prominent physicians and physicists at these two institutions gave the lectures. On Thursday, 22nd, those taking the course were invited to attend the Panel Discussion on **"Radiation Protection in Medicine and Industry"** being held by the Canadian Medical Association, then in session for their Annual Convention at the Queen Elizabeth.

THE WORKSHOP

On Saturday morning and afternoon, June 24th, the Workshop was held before a large attendance. George F. Koenig, Chairman of the ASXT Education Committee, and Marjorie C. Tolan, President of the ASXT, welcomed the members. Adrian Ter Louw, Ph.D., spoke on **"The Guest Teacher."** **"The Latent Image"** was the subject of Albert H. Allard's address. **"Radiation Physics"** was dealt with in a paper by Jack S. Krohmer. After lunch **"Teaching Aids"** was the subject of a lecture and demonstration by Joseph E. Vargo. After a coffee break Mr. Vargo continued his lecture in three parts—(a) **"Electricity for the Layman"**; (b) **"The Value of Electricity To-day,"** and (c) **"Electricity and Electronics Related to X-Rays."**

FELLOWSHIP DANCE

In the evening the Fellowship Dance was attended by nearly 1,000 people from every state in the Union and all the provinces of Canada. Siemens Inc., of New York, and Consolidated X-Ray Supplies Ltd., of Montreal, were our hosts and were represented by Mr. and Mrs. Rabb, who were introduced by Mr. Lewis W. Flagg, Jr., of the ASXT, to the accompaniment of appreciative applause. Mr. Flagg then announced that a surprise item on the program would be a skit presented by a group of Montreal technicians. Mr. Flagg himself provided the overture by singing the x-ray "theme song" with the audience joining in the repeat singing. It is sung to the tune of *"School Days"* and goes like this:

> **X-Rays, X-Rays, dear old Roentgen's X-Rays,**
> **Shoulders and elbows, hips and knees,**
> **Barium enemas and I.V.P.'s;**
> **Upper g.i.'s and g.b.'s too,**
> **Scanning the patient through and through**
> **As we take up our tasks each day anew**
> **We'll conquer a problem or two.**

Then the curtain went up and we saw an x-ray department in 1904. *Miss Polly Royd* was played by Lois Waters; *Miss Flora Scope* by Sheila Reynolds; *Dr. Tom O'Gram*, Brian Jenkins; *"Pd" Speed*, John Brodie; *Miss Ivy Pea*, Maureen O'Brien, and *Mrs. Millie Ampere* by the efficient Entertainment Committee Chairman, Sally Archer. The climax of an amusing skit showed the radiologist lying on his back under the table screening the patient, the equipment boasting only an overtable tube. It was unfortunate that the production suffered from inadequate microphone facilities so that not all the oversize audience could hear the numerous quips. Dancing was then resumed till midnight.

SUNDAY, JUNE 25th

The morning started with Mass at Mary, Queen of the World Cathedral, just across the street from the hotel and an Interdenominational Memorial Service for departed members in Le Grand Salon presided over by Rev. S. B. Frost, D.D., Dean of the Faculty of Divinity, McGill University.

At 10.15 the traditional "brunch" of the joint ASXT-CSRT convention was held under the sponsorship of the New England Conference of X-Ray Technicians, over 400 people sitting down to the repast. The President of the New England Conference, Catherine O'Connor, presided and the invocation was given by Lewis Flagg, Chairman of the Board of Governors of the Society. After the meal various prizes, including two Westinghouse radios and an Ansco camera, were given to lucky members who found unsuspected crytic marks on their menus—Frank Calloway of Edmonton got a nice can of New England maple syrup to take back west with him.

The climax of the morning came with the Parade of the States and Provinces called by Mrs. Marable, Mary Atkins playing the appropriate music of each state and province on the piano. A representative of each region proceeded to the rostrum carrying a distinguishing flag while members from that state or province stood.

At 2 o'clock a Panel Discussion was held on **"School Accreditation and Technician Training"** with Clark Warren as Moderator, the three ASXT panelists being Maurice M. Haskell, M.D., Alfred Greene, R.T., and George F. Koenig, R.T. The CSRT was represented by Dr. J. G. Stapleton, Dr. Jean-Pierre Jean and William Doern, R.T. A point of interest during the discussion was the statement that in the ASXT 26% to 30% of the student applicants are men. The attendance at this and at all the technical sessions filled the large ballroom and probably averaged from 800 to 1,000.

In the evening the Eastman Kodak Co. showed the 1960 ASXT Convention movies, followed by a film on three-phase equipment by the Siemens Company.

The early part of the evening afforded an opportunity to get a little exercise and see how Montreal looked now.

The surging energy manifested in the upward thrust of the many new skyscrapers is amazing. When I last saw Montreal Dorchester Street was widened and the steel skeleton on the Queen Elizabeth was up, but the "hole in the ground" opposite the new hotel site contained nothing but the railway tracks. Now these have disappeared beneath concrete and steel and over them is what will eventually be a two-storey underground garage and two more storeys of steel which will become the plaza of the Place Ville Marie, a tremendous undertaking described as Canada's Rockefeller Center. The steel of the cruciform eastern building is up to its full height of 41 storeys—unless they decide to make it higher to beat the 43 storeys of the new Canadian Imperial Bank of Commerce building on the site of the old section of the Windsor Hotel. Other high buildings are also going up along the new eight-lane Dorchester Street. One of them is the C.I.L. Building, aluminum sheathed and the highest welded building in the Commonwealth.

One noticed the piquant bilingualism of the elevator girls in the hotel.—The freshness of outlook expressed by the open air art gallery in lighted show cases in Dominion Square and the hanging flower baskets on the lamp posts.—Also the blithe disregard of traffic lights by pedestrians. The street cars are all gone but the traffic congestion on St. Catherine Street is as bad as ever.

Your reporter could not get his camera out quickly enough to get a good shot outside the hotel entrance where the doorman, tall and resplendent in tan and gold uniform, was obligingly posing for a snap by a short Negro tourist. Another novelty he did catch—speed not being necessary—was the oddity of a church completely built in on the St. Catherine Street frontage by a business block, access to the large church at the back being provided by a Gothic archway incorporated in the block.

We noticed that the bell boys at the Queen Elizabeth are literally "bell" boys as they carry a slate with the person's name written on it and a row of little tinkly bells on the top.

MONDAY, JUNE 26th

By 7 a.m. the energetic takers of refresher courses were fortifying their bodies with breakfast supplied through the kindness of E. I. du Pont de Nemours Inc., and Du Pont of Canada Ltd., before proceeding to one of the nine refresher course rooms at the end of the convention floor to improve their minds. Green plastic brief cases supplied by Picker X-Ray Corporation as one registered for the convention were seen everywhere.

OFFICIAL OPENING

At 10.15 (although the convention had already been going for two days) the Official Opening Session took place. The Grand Salon was filled to its 1,000 seating capacity as the ceremony proceeded. The singing of the National Anthems of Canada and the United States opened the proceedings, with Albert Cheffins utilizing his choir-

master experience to good effect at the piano. His Eminence Cardinal Leger pronounced the invocation. His robes and maroon head dress added color to the scene, especially under the spotlights which were switched on periodically to record the events for the Kodak cine film. The meeting was called to order by the American and Canadian Presidents, Marjorie Tolan and Katherine Creelman. His Worship Mayor Drapeau of Montreal then welcomed the members to the city. The platform seated a galaxy of radiologists prominent in North America who expressed their good wishes for the success of the convention—Dr. E. A. Petrie, Chancellor, American College of Radiology; Dr. Guillaume Gill, Vice-President, Canadian Association of Radiologists; Dr. Carleton B. Pierce, The American Roentgen Society; Dr. S. A. Morton, the Radiological Society of North America; Dr. Jean Bouchard, President, Association of Radiologists of the Province of Quebec; Dr. Chester H. Warfield, President, the American Registry of X-Ray Technicians, and Dr. Albert Jutras, Convention Radiological Advisory Committee. Archie Wilkinson, General Convention Chairman, delivered greetings in English and French, and Floyd Driver, Chairman of the Board of Directors, ASXT, said he also was bilingual, concluding his address in what he called "South Carolina French" —"Merci, you all!"

Marjorie Tolan and Katherine Creelman then gave their Presidential addresses. That of Miss Creelman may be read in full elsewhere in this issue. She concluded by asking members "Are you part of the problem or part of the solution?"

At 12.15 the Quebec Society of Medical Radiological Technicians sponsored the luncheon. The invocation was given by Sister Judith-Marie and the Quebec President, Donald Fisk, presided. Mr. Fisk pointed out that this function was in the nature of a birthday party for the new Quebec Society in that their Bill passed the Quebec Legislature on April 27th of this year. For this purpose the Quebec Society of X-Ray Technicians had been disbanded and a new charter acquired under the title of the Quebec Society of Medical Radiological Technicians. The Society is now a closed professional corporation and within two years all persons practising radiologic technique in the Province of Quebec (other than physicians, dentists and those doing only chest survey work with health units) must do so under the supervision of a radiologist and must be members in good standing of the Quebec Society of Medical Radiological Technicians. Quebec is the third provincial society to attain recognition of this nature.

Mrs. Mary Cameron, as Secretary of the North, Central and South American section of the International Secretariat of Radiographers and Radiological Technicians, presented the CSRT with two interim certificates of membership (1960 and 1961) in the International Organization. She also invited the ASXT to send representatives to the meeting which is to be held in Montreal at the end of August, 1962, in conjunction with the Tenth International Congress of Radiology. Mrs. Cameron also announced that negotiations to enable x-ray technicians to attend lectures at the Congress had been successful and that inexpensive accommodation would be available at Macdonald College for technicians attending.

FIRST SCIENTIFIC SESSION

In the afternoon the First Scientific Session was held with Mrs. Cameron as Chairman. The first paper, **"A New Device for Lateral Radiography of the Hip in Children,"** won Third Place NEMA Award for its author, Mrs. Carol Lyons, Portland, Oregon. Sister M. Beatrice Gerard of Lancaster, Pa., introduced the speaker and then was placed in what would have been an embarrassing postion for many people. The projectionist asked for a few more minutes in which to make some repairs to the projector—"Just ad lib a bit," the Sister was asked. Sister Gerard surprised and amused the large audience by "ad libbing" most effectively.—"I can't tell stories like Archie"—"I suppose I could put in a plug for the next convention"—Anybody in the audience like to come up?"—"How about all singing 'Dixie'?"—"They can't say I'm not trying!"—"Ready? God bless your heart and soul!" Enthusiastic appreciative applause from the audience. Mrs. Lyons described and illustrated a hobby-horse device on which the child sits normally except that the near leg is positioned over a cassette slipped into a holder on the horse. The tube is angled in a caudad direction and gives a lateral view of the femur and acetabulum in one projection. Time per case is cut from 10 or 12 minutes to two or three minutes and radiation dose is reduced by careful coning. A gonad shield is not necessary, it is claimed.

The next paper was presented by Valerie June Palmer, a student technician studying in Montreal who comes from Kingston, Jamaica. This paper won the Gevaert Bronze Award in the Student Class and its title, **"Behind the Scenes,"** referred to work in the darkroom and the importance of meticulous accuracy in this aspect of x-ray work.

William A. Conklin of Orangeburg, S.C., spoke instructively on **"Radiographic Studies of the Cervical Spine."** Mr. Conklin described in detail the various positions including a double exposure

technique for getting the upper thoracic, cervical and odontoid on one film. Miss Ruth Jaffke discussed the various aspects of Mr. Conklin's observations following the paper.

The fourth item on the program departed from straight technical material with a most interesting talk by Norman C. Harper, Department of Indian Affairs, Health and Welfare, Ottawa, on life as a radiographer in the far north—**"From Teepee to Snowhouse in Radiography,"** illustrated with excellent color shots of the Eskimo hospitals and equipment.

The afternoon concluded with a movie of the thrilling motor races on the Indianapolis Speedway, shown as part of the campaign of one of several State Societies for the ASXT convention two years hence.

At 5.30 the Sister Technicians were taken by bus for a picnic at Beaver Lake on top of Mount Royal. On the return trip a visit was made to the famous St. Joseph's Oratory and Shrine of Brother André.

HABITANT NIGHT

In the evening "Habitant Night" was presented by the courtesy of the Eastman and Canadian Kodak Companies. As in other big events the Grand Salon and three adjacent rooms were made into one, nearly tripling the 7,600 sq. feet of the ballroom. Colorful hats made by Montreal technicians were handed out at the door. Philadelphians were distinguished by the tricorner 18th century hats worn to boost their bid for the ASXT convention in 1963. An orchestra was on hand for conventional and square dancing and in the middle of the evening a most interesting display of old French folk dances was put on by a professional group, the girls in white bonnets, blue capes and red underskirts; the men in white with red sashes.

Fountains of punch quenched the thirst, the golden streams flowing continuously. Later coffee, meat pies and salads were ranked in profusion on long self-serve tables. Conversation around the small tables was enjoyed while eating the supper. Then more dancing—and so a most enjoyable evening came to a close.

TUESDAY, JUNE 27th

At 10.15 both the ASXT and CSRT held Business Sessions, the results of the CSRT session being reported elsewhere in this issue. We recall an apt remark by one speaker who, quoting Benjamin Franklin, said "Consider the turtle—to make any progress he must stick out his neck."

Then at 12.15 came another luncheon, this time sponsored by the Georgia Society of X-Ray Technicians and honoring Mrs. Marjorie Tolan, ASXT President. Music on the organ accompanied the meal and an added attraction was the excellent singing of Lewis Flagg. One of his songs was to the tune of "Margie" with words applying to the guest of honor, Marjorie Tolan. At Mr. Flagg's suggestion for the second verse Mrs. Tolan and her husband rose and pantomimed the action, so that the words appeared to come from Mr. Tolan. This impromptu act was put across with great gusto. A presentation of a portable TV set was then made to Mrs. Tolan. Don Atkins, President, X-Ray Technicians Society of New York, was billed as the guest speaker but he turned out to be far more than that. He out-Paared Jack Paar with a collection of baby photos with most cleverly conceived captions with x-ray applications.—"I will **not** remove my dentures," and—"I happen to be a member of the Board" were two examples that come to mind. This fifteen minutes of laughter proved to be an effective digestive aid for an excellent luncheon of hot roast turkey.

SECOND SCIENTIFIC SESSION

In the afternoon the Second Scientific Session was held under the chairmanship of Marion Stanley. The first paper was by Ollie J. Sparks of Lexington, Ky. This won the Second Place NEMA Award and dealt with **"The Lumbo-Sacral Oblique—Improvement by Longitudinal Deviation."** This could have been entitled "A new Angle on Lumbo-Sacral Examinations" as the speaker recommended placing the patient *across* the table instead of along it (with side extensions to support the patient) which, with careful positioning and tube direction, will give better detail of the isthmus.

The Gevaert Silver Award winner, Avril Rickhard of Montreal, followed with a paper on **"Radiography in Cases of Chronic Dislocation of the Shoulder"** which will be published in *The Focal Spot* in due course.

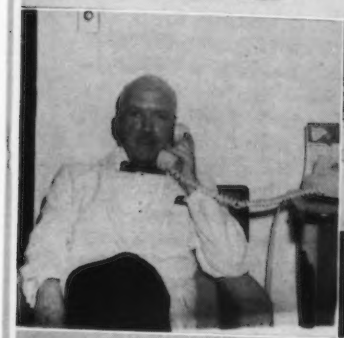
The presentation of Awards followed this paper, as follows:

CSRT Essay Award: We regret to report that no paper of sufficient merit was received this year, so no award in this category was made. Full details of all award regulations were published in the July, 1961, issue of *The Focal Spot*. Think up the outline of an essay NOW and you may win $150.00 at the Regina Convention next year.

The above remarks also apply to the Ontario Society of Radiological Technicians $100.00

REGISTRATION
TOTAL
TO DATE

GEORGIA SOCIETY
OF ART TECHNICIANS



INDIAN TRADING POST

Award for the best essay on "Radiobiology and Protection." No entries at all were received. This offer is renewed for 1962.

Gevaert Gold Medal and cash award: **John Hearn, R.T.,** General Hospital, St. John's, Newfoundland, for **"Fluid Filtration for Peripheral Angiography."**

Gevaert Silver Medal and cash award: **Avril Rickhard,** R.T.(R.), Royal Victoria Hospital, Montreal, for **"Radiography in Cases of Chronic Dislocation of the Shoulder."**

Gevaert Bronze Medal and cash award: (Student Class): **Valerie June Palmer,** Montreal, for **"Behind the Scenes."**

George Reason Cup (Best Exhibit): **"Radiography of the Hip," Mrs. Patricia Windeler, R.T.,** McGregor Clinic, Hamilton, Ont., received in absentia by Miss Jane Martin.

George Reason Replica (for 1960 award): **Sister Carrier, R.T.,** Hotel Dieu Hospital, Montreal.

Mallett Award Replica (for 1960 award): **Miss Nan Plowman, S.R.N., M.S.R., R.T.,** Princess Margaret Hospital, Toronto, received in absentia by Miss Huggins.

The **1961 Mallett Award** had been presented at an earlier meeting to **Dr. J. G. Stapleton,** McGregor Clinic, Hamilton, Ont., for his valuable service to the CSRT on the Committee on Qualifications.

The ASXT Exhibit Awards were made as follows:

First: Don Atkins, R.T., Millard Fillmore Hospital, Buffalo, N.Y.—**"Biplane Angiography."** Mr. Atkins also won the George Pfahler Award.

Second: Lorraine Smith, R.T., Portland, Oregon—**"Grids."**

Third: Illinois State Society—"Mammography."

Two more papers completed the afternoon program—**"The Importance of Artificial Pneumoperitoneum"** was presented by Mary Lou Hoffman, Dallas, Texas. Miss Hoffman described a method of introducing free gas (usually carbon dioxide) into the abdomen and illustrated with slides the additional information which could be obtained with radiographs taken under these conditions.

The final paper, of particular interest to therapists, described the use of **"Wedge Filters in Megavoltage Therapy"** and was ably presented by Mrs. Amy Wood, F.S.R., S.R.N., Superintendent Radiographer, Christie Hospital and Holt Radium Institute, Manchester, England. Mrs. Wood was also one of the Refresher Course Lecturers, giving the course "Some Biological, Physical and Anatomical Aspects of Radiation Therapy" from Monday to Thursday in the unavoidable absence of Miss Plowman.

SIGHTSEEING TOUR

In the early evening the sidewalks outside the hotel were thronged as over a thousand people boarded some 40 buses for a sightseeing trip along the south shore of the St. Lawrence where the Seaway begins. This trip was arranged through the generosity of the General Electric Company, X-Ray Division. The weather was perfect and the drive most interesting, especially with a good guide for a driver. Ours was so loquacious that the bus seemed to miraculously steer itself around corners and past other vehicles while he gesticulated with both hands! After seeing a little bit of the side streets with special note of the typical French-Canadian outside stairs, some of which were quite elaborate, we started up a wide boulevard which rose slowly above the surrounding streets and became the approach to the Jacques Cartier bridge over the St. Lawrence. The first span crossed the route of the ocean liners and the second the channel for ships taking the St. Lawrence Seaway. The spans were gradually lifted a number of feet during the Seaway construction, without interfering with vehicular traffic, to give the increased height necessary for the Seaway entrance. The view from this elevation was immense and, looking down, saw St. Helen's Island with fortifications built in 1812. Leaving the bridge we turned west and drove through suburban and then exurban countryside for some distance till we reached the First Locks. We passed a relocated village, looking quite settled again, and through a 200-year-old French village with houses built right up to the street which was barely wide enough to take the bus. Everyone got out at the locks and watched several European ships going through in both directions. Several groups of sightseers got temporarily marooned over on the other side when the bridge went up. Returning to the buses we were taken to the Indian village of Caughnawaga with an exclusively Indian population of 3,000 Mohawks, many of whom are structural steel workers much in demand in the States as well as Canada. The buses drew up at an Indian Church with a museum and old French fort adjoining. Filing into the church we sat in the pews while the priest pointed out the various points of interest in its elaborately decorated interior. The ceilings were contributed by a Montreal artist. The crucifix on the altar was in memory of Indians

who lost their lives in the construction of one of the St. Lawrence bridges. The stained glass windows were of interest, as were the memorial tablets to various Indian members of the congregation. Our next stop was a less authentic reflection of Indian life—a typical midway show produced for the tourist trade, complete with stalls selling Indian nick-nacks and an Indian dance sideshow. According to our guide the "Indian" chief is actually a Scotsman with an Indian wife, and his business acumen suggested capitalizing on tourist interest in this manner. We noted that most of the houses in the reservation sported TV aerials; quite a change from a few generations ago! Our homeward trip took us back over the Mercier Bridge at the western end of the city. Our driver then made a detour around the mountain taking us past the floodlit St. Joseph's Oratory, towering magnificently above its flights of stone steps, and then through Mount Royal Park to a point from which the lights of the metropolis lay before us like a diamond-studded blanket. Descending the Mountain again we negotiated an elaborate traffic interchange recently built at a complicated intersection at Park and Pine and so back to the Queen Elizabeth feeling gratitude to the General Electric Company for their generosity in providing us with this most interesting outing.

WEDNESDAY, JUNE 28th

As is always the case in these conventions, the first day or two seems relatively longer and then suddenly time rushes by and before you realize it you are approaching the final day. It was now Wednesday, with only one more day to go. The worker bees were up again at 7 a.m. taking their Refresher Courses in the nine separate rooms at the far end of the Convention Floor, while your reporter, the drone, breakfasted at 9.15 and started his day with the business meeting at 10.15.

EXHIBITS

Let us take this opportunity to look at the interesting ASXT and CSRT exhibits in the "galleries" at the side of the Convention Floor.

The exhibits appeared to be more numerous than usual with quite a few novelties. Unfortunate space precludes describing more than a selection of these. Strolling around the Canadian room we noticed a description of an apparatus for taking **voiding urethrograms** of infants used at Montreal General Hospital. Electrodes and relays are arranged so that voiding completes the circuit between the two electrodes and makes the exposure at the critical moment.

An excellent display dealing with **mastoid radiography** was presented by Sister M. Ann Patrice of St. Joseph's Hospital, London, Ont.

A pediatric immobilizer for infant radiography was shown by the Hotel Dieu d'Arthabaska, P.Q.

We noticed a copy of the excellent *"Spectrum,"* the Manitoba Graduation Yearbook prepared by the Manitoba students. This has a padded cover in plum and gold plastic. It is profusely illustrated and very well got up.

In the ASXT rooms we say a very interesting exhibit of **Laminography of the Inner Ear** by Cerena Longstreeth, 1151 Masselin Avenue, Los Angeles.

"Anatomy and Radiography" by L. C. Cross, University of Pittsburgh, displayed excellent sets of photos, diagrams and radiographs.

An exhibit called **"Second Chance Radiography"** by Gary Saunders, Department of Radiology, Yale University, New Haven, Conn., "for cases which can't be repeated," showed the improvements resulting from copying the radiographs with an electronic printer. Very thin and very dense radiographs became of reasonable average quality by this method which takes sixteen minutes from original to copy.

Among the gadgets noticed was another **infant chest positioner**—a sling—shown by Hilda E. Drum, University of Oregon Medical School.

A hip localizer for centering the acetabulum in either lateral or AP views was designed by Jack Ring, Deborah Hospital, Browns Hill, N.J.

An ingenious **step-wedge penetrometer** was shown by Addie Thorp, 815 Medical Arts Building, Fort Worth, Texas. This is made of plastic and is hollow so that it can be filled with cooking oil, water or any other fluid which may be desired.

I have given the names and addresses of these exhibitors so that readers who might find any of particular interest can write to the exhibitor for further details.

At 12.15 a luncheon was held sponsored by the Provincial Societies of Canada in honor of Dr. E. A. Petrie. CSRT President Kay Creelman presided and Sister M. deLellis offered Grace. Bill Doern thanked Dr. Petrie for the tremendous amount of work he has put into the Society for a long period of years, especially in matters pertaining to education, and presented him with a silver tray bearing the engraved signatures of all the Past Presidents of the CSRT. A standing ovation accompanied the presentation. Dr. Petrie, in accepting the gift, modestly disclaimed exclusive merit and mentioned his associates — Sister deLellis, Miss Nan Plowman, and his personal secretary, Miss Chestnut—thanking them for the help they had given him and also expressed his appre-

ciation of the forebearance and encouragement of Mrs. Petrie during his work for the Society. Dr. Guillaume Gill followed, presenting Dr. Petrie with a photograph of the Joint Committee on Technical Training taken at Kingston. "You say you have done little," said Dr. Gill—"Nobody can say how much you have done in almost twenty years. We hope the Life Membership you have in the CSRT will still keep you with us."

THIRD SCIENTIFIC SESSION

Following the luncheon the Third Scientific Session started under the chairmanship of David Sage. Prior to the delivery of the first paper, the ASXT President, Mrs. Tolan, was introduced by David Sage, who happened to accent the final syllable of her name. Mrs. Tolan remarked, to audience laughter, that this was the first time she had heard her name pronounced in French. She then introduced Mr. Gunson, Strong Memorial Hospital, Rochester, N.Y., and an unusual touch was added by the escorting to the platform of Mr. Gunson's daughter, a student technician, who stood with her father while he was presented by Mrs. Tolan with the First Place NEMA Award for **"Radiography of the Pharynx and Upper Esophagus—Shoe String Method."** The "shoe string" method was stated to be a modification of Templeton's technique in which the upward movement of the larynx is utilized to actuate the exposure. In Mr. Gunson's technique an ordinary dark shoelace is tied around the Adam's apple. This moves forward and upward during swallowing and renders the exact moment for exposure more visible to the operator. When exposure is made at the moment of maximum movement good filling of the pharynx is obtained. A slight delay in making the exposure will demonstrate the upper oesophagus.

The second paper, **"Fluid Filtration for Peripheral Angiography,"** won the Gevaert Gold Medal Award for John Hearn, St. John's, Newfoundland. A plastic container half-filled with potassium iodide becomes a wedge when tilted and is used to equalize the penetration when taking lumbar and femoral arteriograms. This paper will appear in full in *The Focal Spot*.

Following this a paper, **"Structure, Evaluation, Positioning,"** by Paul Ichino, Long Beach, Cal., was read in Mr. Ichino's absence by Miss June Russell. The paper pointed out how radiographs of a number of parts could be improved by a thorough knowledge of the anatomical structure when positioning. The paper was discussed by Richard Peeples.

The next paper was by a CSRT member who was also concerned with filtration. **"The Reduction of Radiation by a New Filter"** was the title of a paper given by Joseph Pavlin, of Montreal. Mr. Pavlin used a 5 mm. filter and demonstrated his point with a number of slides of penetrometer tests and radiographs.

The afternoon program concluded with a paper on **"The Reliability of Phototiming in Radiographic Procedures"** by Joseph Morel, Mount Airy, Md. After explaining the operation of the photo-timing circuit, Mr. Morel pointed out the necessity of understanding just what you wished to show and what the x-rays would encounter in their passage through the body in order to select the correct scanning apperture. At its conclusion the paper was discussed by Miss Helen Matthews.

At 5.30 the Sister Technicians were taken by bus for a visit to the Montreal Botanical Gardens followed by a tour of the new Montford Marian Centre which specializes in pilgrimages and closed retreats. Here supper was served to the visiting sisters.

In the evening a party in the combined Duluth and Mackenzie Rooms, at which our hosts were the Kodak Companies, provided a wonderful opportunity for meeting and talking to friends one might not have seen for years. One of these was George Jackson, who we remember as Convention Chairman and general "life of the party" at the Saskatoon Convention in 1947. Now, minus moustache and plus some weight, he lives in Port Huron, Michigan, representing Picker and still enjoys his clarinet; in fact he teaches it and other woodwind instruments. Later in the evening George and his clarinet led a bunch of boosters for Minneapolis as a convention site through the crowds. There was also an accomplished girl accordionist strolling through the throng inducing community singing. George Jackson is also connected with the Port Huron-Sarnia "Inter-nation" student group whose unique activities have been reported in the Provincial News pages of *The Focal Spot*.

There are times during a convention when it is hard to get one's mind sufficiently relaxed to get one's legitimate sleep. Illegitimate sleep during the afternoon lecture sessions is surprisingly easy! However, as my room faced the Place Ville Marie project and as they were working day and night I found it fascinating to look down on the intelligent little ants busily engaged on something the

Continued on Page 243

LA SOCIETE CANADIENNE DES TECHNICIENS EN RADIOLOGIE

EXPOSITION DE LA C.S.R.T. COMPETITIONS D'ESSAIS

MEDAILLES - PRIX EN ARGENT - TROPHEE

Offerts aux membres certifiés et étudiants des Sociétés provinciales.

PRIX DE LA C.S.R.T. POUR ESSAI

Un prix annuel de $150. pour le meilleur essai fait par un technicien certifié, sera offert avant la convention de la C.S.R.T.

PRIX GEVAERT POUR ESSAI

TROIS PRIX ANNUELS

Un médaille d'or et $100. — Une médaille d'argent et $75.
Pour les techniciens certifiés seulement.

Une médaille de bronze et $50. — Pour les techniciens étudients.

DATE LIMITE POUR LES ESSAIS C.S.R.T.
ET
LES ESSAIS GEVAERT, 15 DECEMBRE

LA COUPE GEORGE REASON

Pour la meilleure exposition scientifique.

PRIX DE LA O.S.R.T.

DATE LIMITE — LE 1er MARS 1962

(N'est pas un prix annuel.)

ESSAI SUR LA RADIOBIOLOGIE ET PROTECTION

Prix de $100. offert aux techniciens certifiés et étudiants.

Règlements sur les pages suivante.

LA SOCIETE CANADIENNE DES TECHNICIENS EN RADIOLOGIE

REGLEMENTS EN VUE DE L'OBTENTION DU PRIX ANNUEL OFFERT PAR LA C.S.R.T.

La Société Canadienne des Techniciens en Radiologie offre annuellement un prix de cent cinquante dollars ($150.) pour le meilleur manuscrit présenté avant la Convention annuelle de la dite Société; ce prix doit répondre aux règles et régulations ci-dessous mentionnées:

1. PRIX: Celui-ci est fixé à cent cinquante dollars ($150.).
2. ELIGIBILITE:
   (a) sont éligibles seuls les membres en règle avec la C.S.R.T. au moment de la présentation du manuscrit et dont les noms apparaissent au bottin de cette Société.
   (b) ne sont pas éligibles à la compétition—tous les officiers de l'éxécutif, les membres du bureau des directeurs, les juges, les membres du Comité des Programmes, les membres des firmes commerciales tels membres des firmes commerciales tels ceux travaillant pour manufacturiers de films radiographiques ou d'appareillages radiologiques.
3. SOUMISSION DES MANUSCRITS:
   Chaque participant devra soumettre trois (3) copies de sont manuscrit, incluant toutes photos, chartes, etc., dans son envoi au Président du Comité des Prix, par l'entremise de la Secrétaire permanente de la C.S.R.T., Mrs. E. I. Hood, R.N., R.T., 2175 West 16th Avenue, Vancouver 9, B.C., avant le 15 décembre précédent la convention.
4. PREPARATION DES MANUSCRITS:
   (a) tous les essais présentés doivent être des textes "Originaux" jamais au préalable présentés, publiés ou encore étudiés pour présentation ou publication avant cette convention; ils doivent traiter de sujets en rapport direct avec la radiodiagnostic ou à la radiothérapie.
   (b) la lecture du manuscrit ne doit pas dépasser vingt minutes. Ce temps inclut l'illustration, soit par radiographie ou diapositive.
   (c) tous les essais devront être préparés d'une façon présentable sur papier de bonne qualité, dactylographiés, à double espace et large marge, sur un seul côté de la copie, sans oublier la pagination.
   (d) chaque concurrant doit présenter un texte en triplicata (3 copies). Les manuscrits doivent posséder une feuille d'introduction sur laquelle seul le titre doit apparaître de façon à éliminer toutes marques d'identification, tels nom de l'hôpital ou du radiologists, etc.
   (e) la copie originale du manuscrit devra être scellée dansune enveloppe blanche en y indiquant dessus ce qui suit:
   "Je ..... soumets ce manuscrit ayant pour titre ..... à titre de participant en vue de l'obtention du prix offert par la C.S.R.T. et l'estime avoir rencontré tous les règlements."
   (f) toutes les copies doivent être brochées ensemble dans le coin supérieur gauche et insérées dans une chemise spécialement conçue pour les thèses, les mémoires, les essais.
   (g) tous les textes deviennent la propriété de la C.S.R.T.
5. ILLUSTRATIONS:
   (a) le manuscrits doit être accompagné de toutes les illustrations. Celles-ci ne doivent pas être envoyées séparément ni plus tard que le manuscrit.
   (b) toutes les illustrations doivent être préparées en blanc et noir sur papier glacé, propre à la publication. Elles doivent également être numérotées et accompagnées de la légende de façon à correspondre l'information donnée au cours du texte.
   (c) si une radiographie doit accompagner le texte, il est essentiel que celle-ci ne comporte aucune marque d'identification telle que:—nom de l'hôpital, du radiologiste, etc.
   (d) les diapositives illustrant le texte doivent être prêtes pour démonstration, au moment où le texte est présenté au programme de la Convention.
6. PRESENTATION:
   (a) l'auteur de l'essai primé sera avisé le premier avril pour lui permettre de faire les arrangements nécessaires pour présenter lui-même son texte durant la Convention.
   (b) dans le cas où l'auteur du texte ne pourrait être présent pour illustrer et lire son propre texte, celui-ci pourra être lu par tout autre membre de la Société. Le texte primé sera publié dans le *Focal Spot*. Quand aux autres participants, un avis leur sera envoyé disant que leur texte ne fut pas primé. Ces textes par contre, peuvent également être publiés si considérés de quelque intérêt.

LA SOCIETE CANADIENNE DES TECHNICIENS EN RADIOLOGIE

REGLEMENTS EN VUE DU PRIX GEVAERT

Une MEDAILLE D'OR, une MEDAILLE D'ARGENT, une MEDAILLE DE BRONZE chacune accompagnée d'un prix en argent, seront attribués chaque année, lors du Congrès Annuel de la C.S.R.T.

A. La compétition est ouverte aux techniciens certifiés (R.T.) et seulement à ceux en règle avec la C.S.R.T.

(1) Une MEDAILLE D'OR accompagnée d'un prix en argent de cent dollars ($100.) seront offerts à l'auteur, ou à l'auteur sénior, si deux concurrents sur un pied d'égalité, pour le meilleur essai présenté pour la compétition en vue du prix Gevaert.

(2) Une MEDAILLE D'ARGENT accompagnée d'un prix en argent de soixante quinze dollars ($75.) seront offerts à l'auteur ou aux auteurs, dont l'essai aura été jugé, en second lieu, le meilleurdans la compétition.

B. La compétition est ouverte aux membres etudiants inscrits comme tels à l'une des Sociétés Provinciales de la C.S.R.T. et en règle avec cette Société.

(3) Une MEDAILLE DE BRONZE accompagnée d'un prix en argent de cinquante dollars ($50.) seront offerts à l'auteur du meilleur texte présenté par un étudiant en vue du prix Gevaert.

REGLEMENTS CONCERNANT LA PRESENTATION DES TEXTES:

(1) Chaque texte devra avoir un minimum de mille (1,000) mots et devra traiter directement de sujets en rapport avec les procédures radiologiques, soit du point de vue diagnostic ou thérapeutique.

(2) Aucune marque d'identification, tel un nom d'hôpital, d'institution ou encore de radiologiste, ne devra paraître au cours du texte.

(3) Le texte devra être dactylographié à double inter-ligne, avec larges marges, sur un papier de bonne qualité. La copie originale et deux autres copies (triplicata) devront être soumis au Président du Comité des Prix par le bureau de la secrétaire Mme E. I. Hood, R.N., R.T., 2175 West 16th Avenue, Vancouver 9, B.C., pour le 15th décembre précédant la convention.

(4) Chaque copie du manuscrit devra être rangée dans un cartable convenable. Sur le couvercle on pourra lire: 1. "Essai présenté en vue de l'obtention du prix Gevaert." 2. Mention si le texte provient d'un technicien certifié ou d'un étudiant. 3. Le titre du manuscrit.

(5) Les textes peuvent être soumis soit en français ou en anglais.

(6) Les gagants se verront attribuer leurs prix à l'occasion du Congrès Annuel de la C.S.R.T. Si toutefois un gagnant n'était pas présent, son prix sera remis au délégué officiel de la province qu'il représente afin que le prix parvienne au gagnant.

(7) Les textes gagnants devront être mis à la disposition du *Focal Spot* pour fin de publication dans les 90 jours qui suivront le Congrès Annuel.

PRIX CONCERNANT LA SOCIETE DES TECHNICIENS EN RADIOLOGIE DE L'ONTARIO

Cent dollars ($100.) sont offerts pour le meilleur essai soumis en Radiobiologie et Protection.

Les règlements donnés concernant le prix Gevaert seront appliqués. Tous les membres de la C.S.R.T., gradués et étudiants, sont admis à cette compétition. La date limite le 1 er mars 1962.

TECHNICIENS EN RADIOLOGIE LA SOCIETE CANADIENNE DES

REGLEMENTS POUR L'OBTENTION DE LA "COUPE GEORGE REASON", EN VUE D'UNE EXPOSITION SCIENTIFIQUE

ELIGIBILITE — Tout membre en règle avec la C.S.R.T. au moment de demande d'espace à l'exposition, ainsi qu'au moment où on jugera de l'exposition, sera éligible à la compétition, exceptés ceux inscrits ci-dessous:

1. Ne sont pas éligibles à cette compétition, tous les officiers et membres de l'exécutif: Président, Président-élu, Vice-présidents, Secrétaires-trésorier, Membres du Bureau des Directeurs, Juges de l'exposition, Membres du Comité de l'exposition.

2. Les membres de la C.S.RT. employés par des firmes commerciales, tels ceux travaillant pour manufacturiers ou à la vente d'équipements et accessoires radiographiques, ne seront pas éligibles aux prix.

3. DEMANDE D'ESPACE ET PRESENTATION DU MATERIEL — Toutes les demandes d'espaces pour l'exposition doivent être rendues au comité d'exposition pour la convention au moins soixante (60) jours avant l'ouverture de l'assemblée annuelle. En même temps, le titre de l'exposition et une brève description du matériel devront être soumis. Les expositions de films doivent être présentées d'un aspect satisfaisant, sur un ou plusieurs illuminateurs de 14" x 17" (pour espace de vue).

L'espace alloué à tout candidat à l'exposition sera limité à huit (8) espaces visuels ou 15 pieds carrés.

Pour plus de rigidité et pour un bel étalage, l'emploi de pancartes commerciales est préférable pour l'exposition des films. L'emploi de chartes explicatives de type translumineux est recommandé. Il ne doit pas y avoir de colle, ni de clous sur les surfaces opaques ou peintes des boîtes. Le coût de réparation pour toute brisure des boîtes sera défrayé par le candidat à l'exposition. L'emploi de cartons est mandataire.

DUREE (temps)—L'exposition scientifique débutera officiellement à 12.00 (midi) le premier jour de l'assemblée annuelle, pour se terminer à 12.00 (midi) le dernier jour de cette assemblée.

POUR INSTALLER ET DEFAIRE L'EXPOSITION—Chaque candidat installera sa propre exposition, sous la direction et avec lassistance du Comité d'exposition. Un candidat incapable de répondre à cette demande, pourra en remettre la responsabilité à une personne désignée, mais non à un membre du Comité d'Exposition.

L'installation des expositions doit commencer le jour précédent l'ouverture officielle de l'assemblée annuelle et doit être complétée à midi le jour de l'ouverture.

Les expositions doivent demeurer intactes jusqu'à midi de la dernière journée de l'assemblée et doivent être enlevées de la salle d'exposition pour 6 heures p.m. de cette journée.

IDENTIFICATION—Le nom individuel du technicien doit paraître avec son exposition. L'nom de l'hôpital, institution ou bureau peut paraître comme faisant partie de l'adresse.

RESPONSABILITE—Le candidat à l'exposition assume la responsabilité de son exposition et la C.S.R.T. ne se tient pas responsable pour tous dommages ou pertes. La C.S.R.T. prendra toutes les précautions nécessaires pour assurer la sécurité des pièces en montre pendant la période d'exposition.

SUJETS DE MATIERE—Les sujets de matière pour l'exposition devront être des radiographies ou une exposition scientifique concernant des procédés de radiodiagnostic ou de radiothérapie. On jugera d'après l'originalité de la matière, l'intérêt général et la valeur éducationnelle.

Les expositions soumises en vue dun prix, ne doivent pas avoir été montrées auparavant à une assemblée annuele de la C.S.R.T. Le matériel constituant les illustrations en vue du prix pour essai de manuscrits ne sera accepté, ni en entier ni en partie dans la compétition pour les prix d'expositions.

SELECTION DES JUGES—Trois juges seront élus par le Président de la C.S.R.T. et approuvés par le Bureau des Directeurs au moins 30 jours avant l'assemblée annuelle. Ces juges seront connus seulement des dits Officiers de la Société, seront responsables envers le Président et leur décision sera finale.

PRESENTATION DES PRIX—Les prix seront présentés par le Président, au moment approprié durant l'assemblée annuelle.

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onlooker could only vaguely understand, with the assistance of the kindly giants of cranes. Two little ants standing on the steel structure would push a steel girder ten times their weight into position with the touch of their fingers.

THURSDAY, JUNE 29th

And so the final day arrived—all too quickly. The final business session took place in the morning. Ontario made a successful bid for the convention for 1963. As announced last year the 1962 convention will be held in Regina, with the Pre-Fellowship Course at the University of Saskatchewan in Saskatoon. Nova Scotia invited the Society to that location for 1964 but this was not finally confirmed. The election for President and Vice-President took place; Mr. G. A. Wilkinson is the new President, and Miss Jane Martin, Hamilton, Ont., the new Vice-President.

The final luncheon, sponsored by the ASXT and honoring the CSRT, took place at 12.15. Mrs. Genevieve Eilert, Executive Secretary, ASXT, pronounced the Invocation and Floyd Driver, Chairman, ASXT Board of Directors, presided. An instrumental trio rendered pleasant background music for the meal. It was announced that 124 people took the Pre-Fellowship Course, 73 French at the Faculty of Medicine, University of Montreal, and 51 English at the Faculty of Medicine, McGill University. Mrs. Tolan, on behalf of the ASXT, presented a gift to Miss Kay Creelman and also presented an ice bucket to Archie Wilkinson, Convention Chairman, with the thought that he might need it!

FOURTH SCIENTIFIC SESSION

In the afternoon the final Scientific Program was held under the chairmanship of Angelo Dini. The Jerman Memorial Lecture, **"Cinefluorography,"** was given by Richard Olden of Baltimore. The lecturer was introduced by Mrs. Tolan who placed the regalia of the Jerman Memorial Lecturer Chain on the shoulders of Mr. Olden and presented him with the new link in the chain with his name engraved thereon. The Welch Memorial Lecture was then presented by Dr. Guillaume Gill, Radium Institute, Montreal. The speaker was introduced by Miss Kay Creelman who presented him with the Welch Memorial Plaque. After his introductory remarks about "Bert" Welch whom the lecture honored, Dr. Gill said that after his lecture he would show some clips of movies he took at the Vancouver convention of 1950 showing Bert while he was still with us, followed by a sequence taken at the Calgary convention in 1952 when CSRT officers and friends paid tribute to their departed brother at his graveside. Dr. Gill's interesting paper, **"The Technical Understanding of Kidney Function,"** may be read in full in this issue of *The Focal Spot.*

In the early evening the CSRT sponsored a cocktail party in the combined Duluth and Mackenzie Rooms followed by the Annual Banquet at 7 o'clock. A capacity crowd filled the expanded Grand Salon, the capacity of which is listed at 1,400. There were three head tables, seating about fifty people, in tiers one above the other. Radios, hi-fi's and cameras, kindly donated by the commercial firms, were won by those with lucky marks on their menus. A number of presentations were made including one to the retiring CSRT President, Miss Kay Creelman, and to the efficient General Chairman of the Convention, Mr. Archie Wilkinson. Mr. Wilkinson asked the numerous Convention Committee Chairmen to rise and thanked them for the assistance they had given him. A gavel was presented to the CSRT by the ASXT in memory of this most successful Third Joint Convention of the two Societies.

The proceedings concluded with the Induction of Officers, first in the ASXT and then in the CSRT. Mr. Wilkinson, the new CSRT President, and Miss Jane Martin, the new Vice-President, repeated after Miss Creelman the impressive ceremony of Induction. The Past President then invested Mr. Wilkinson with the Chain of Office and presented him with the Gavel and Board. Miss Martin received from her the Book of Rules of the CSRT. Mr. Wilkinson then presented the Past President's pin to Miss Creelman. The meeting was adjourned by Jay Huston, the new ASXT President and by Archie Wilkinson, at 9.40. The dance which followed presented a colorful picture with some of the girls in wide crinolines and the men in cream dinner jackets.

From an observer's viewpoint the convention appeared an unqualified success with record attendance, good papers and exhibits and lavish social activities. The very sincere thanks of the two Societies go to the commercial people for their liberality in sponsoring the social events, as well as for the numerous table favors and prizes.

The work done behind the scenes to ensure such a smooth-running and punctual sequence of events must have been tremendous and Mr. Wilkinson and his hard-working committees cannot be sufficiently commended for the efficient way in which the job was handled.

John H. Guthrie

January 1, 1905 - July 31, 1961

At the age of fifty-six, there passed to his rest John H. Guthrie, a man who, as a Radiological Technician, had given thirty-three years of service to the medical profession.

Born in New York City, and educated at Astoria High School, Long Island, N.Y., Jack was admitted to x-ray technical training at New York Hospital, Cornell Medical School, where he remained from 1921 to 1925. Pursuing his ambition further, he undertook post-graduate training at the Mayo Clinic and availed himself later of every opportunity to take pre-fellowship courses at Queen's University and the University of Toronto.

The very earliest records of the Ontario Society of Radiological Technicians bear the name of John H. Guthrie. His application for membership was received on April 6, 1935. At that time he was employed at Grace Hospital, Toronto, under Dr. W. J. Cryderman, Radiologist. The application was processed amongst those of the earliest members and, upon the basis of his educational qualifications and previous experience, Jack was granted an R.R.T. (GT), and also an M.R.T., the entitlement of a Master Radiological Technician.

This promising member was soon elected to the executive committee, and in this capacity assisted in drawing up the first constitution of the Ontario Society. To him we may also attribute the first published suggestion that "two full years of training should be essential to the granting of any active membership." Again—in 1936, he advised that "an examination should be written to attain a Master's Degree."

As a member of the first executive committee, Jack travelled from Toronto to Ottawa, to assist with the organization of the Eastern Section. He also established something of a record in attending every session of the executive during his term of office.

Possessed of the ability to teach, Jack became a Civilian Instructor in X-Ray Technique for the R.C.A.M.C. from 1939 to 1940, then Instructor in X-Ray Technique and Senior Technician on Active Service from 1940 to 1946. Upon his return, he spent ten years as Chief Technician at the Lockwood Clinic, Toronto. His final appointment was that of X-Ray Instructor and Supervisor at the Canadian Memorial Chiropractic College during the past five years.

To the members of the Society who have not known this Charter Member, but who may be curious as to the qualities of those to whom its origin may be attributed—To his friends he was known as a"Blithe Spirit," and to his associates in the profession, his drive and enthusiasm were recognized as the variety by which great things are achieved.

Addition to List of Approved Schools For Training Radiological Technicians in Diagnostic Technique

Released for Publication by The Canadian Medical Association, August, 1961

School or Hospital			Students Taken		
NOVA SCOTIA	City	Beds	Yearly	Total	Director*
Victoria General Hospital	Halifax	556	.....	.....	Dr. J. S. Manchester

* Every Director is an M.D. certificated in Radiology or holds equivalent qualifications.

PRESIDENTIAL ADDRESS

PROGRESS BY ACHIEVEMENT

This is the second occasion that the Canadian Society of Radiological Technicians has had the privilege of serving as host society to the International Convention of X-Ray Technicians. It is a thrilling experience for the President to extend a personal welcome to each of you here this morning. Probably our thoughts have been directed to this occasion ever since our previous meeting in 1957, in anticipation of welcoming old friends and meeting new ones. A popular song within the past year was entitled "Friends and Neighbors"—don't you agree that these words suggest an association of comradeship, of fellowship.

Mrs. Tolan will concur with me, I am sure, that this office is one involving important duties, and these duties cannot be taken lightly. Fortunately our societies are organized so that the burden of responsibility is distributed among many persons.

In 1960 an Advisory Committee was formed for the purpose of giving advice when requested on the affairs of the Society, based on experiences in previous years. The Executive Members and Board of Directors have provided wise counsel throughout the year. The various committees, consisting of committee chairmen and committee members, have worked unceasingly. The Member Societies are actively engaged in Provincial projects which include: sponsorship of refresher courses, presentation of technical papers, panel discussions, and the general improvement of inter-departmental relationships, to mention a few.

The function of the organization as a whole, then, depends not on a few, but on each and every member. It is to each individual member we wish to express our sincere appreciation.

A prominent educationist, in an address before a local organization last year, was speaking of the characteristics of a profession. He implied (1) that a profession as such has a history, (2) that a true profession has at its heart the concept of service and dedication and (3) that the true profession seeks to extend its effectiveness.

How aptly we may apply these characteristics to our own organizations. We hear so frequently that if we think professionally we will act professionally, and if we act professionally we will be professional.

It was suggested by this same educationist that one must seek to extend one's effectiveness through study and research, and for this purpose one must have a plan of progress for the future so as not to go off at a tangent. It is agreed that remuneration is worth consideration, but it would appear that a sense of knowledge must be related to service and dedication in order to develop a true concept of professionalism.

It is important to establish self discipline in one's own organization and to raise one's sights rather than magnify irritations.

This point is rather well represented by a challenging question which has been discussed editorially by several periodicals; "What is your Upset size?" A person's character is indicated by what has the power to upset him. Are you upset if one of your special films becomes fogged during processing? Are you upset if you receive an emergency call just after you've dropped off into that first sound sleep? Are you upset to read daily of uprisings and rebellions in different parts of the world? One who is easily upset must belong to the light weight class, but one who tries to develop a calmness of temper and judgement, will allow nothing to upset him.

It would appear that this philosophy might be applied to the evolvement of an improved organization—whether it be at the Provincial, State, or National level.

Further to this discussion there is a second challenging question—"Are you part of the problem or part of the solution?"

At one time or another we may be part of the problem, making things difficult for other people. If you neglect to show interest in regularly scheduled meetings by failing to attend, you are part of the problem. If your reply to the Committee Chairman is "No" when you are invited to participate in the program, you are part of the problem.

If, on the other hand, you are making things easier for other people you are part of the solution. If, in considering what stand you take in a discussion, you think of the organization as a whole, instead of individual interests, you are part of the soution. If you have respect for the professional supremacy which your organization represents, you are part of the solution.

Perhaps this is the time to stand back and take a good long look, in order to see ourselves as others see us.

One has only to read to-day's headlines in order to have some conception of the fantastic age in which we live. We are well advised to keep abreast of developments, particularly as they apply to the field of technological science. We are continually striving for higher standards. In order to achieve any goal, this advice by Thomas Edison may help. He said "I never allow myself to become discouraged under any circumstances. The three great essentials to achieve anything worthwhile are first, hard work; second, stick-to-itiveness; third, common sense."

We realize, however, that the achievement of our objectives is not accomplished by working alone. We are privileged to enjoy a fine spirit of co-operation with our colleagues of the American Society of X-Ray Technicians and the American Registry of X-Ray Technicians, as well as British and Australian organizations and other allied X-Ray societies. We deeply appreciate the support of our Radiologists—both individually and through their National Organizations; we are grateful, also, for the support of the Medical Associations and the Hospital Associations.

In spite of everything, however, we must not become so absorbed in the technical aspect that we neglect the human side. The end result of all our efforts is the welfare of the patient.

In conclusion, it is possible that this quotation from an Irish Digest summarizes our desires —"A person has to be contortionist to get along these days. First of all, he has to keep his back to the wall, and his ear to the ground. He's expected to put his shoulder to the wheel, his nose to the grindstone, to keep a level head and both feet on the ground. And, at the same time look for a silver lining with his head in the clouds."

Presented by Katherine Creelman, R.T., C.S.R.T. President, Monday, June 26th, 1961, at the Third International Convention of X-Ray Technicians, Queen Elizabeth Hotel, Montreal, P.Q.

REGISTRAR'S REPORT

The Official Registry for 1961 shows a gain over the previous year. 414 names have been added to the Register.

Again may we stress the necessity of those members who leave x-ray work, even temporarily, to notify their local secretary or the Registrar of their desire to resign or take Non-Active status. If resignation is chosen the member is issued a blue card which entitles him to re-instatement to full membership on payment of the current year's dues when he becomes active again.

Forty-five transfers of membership were processed during the year. Members moving from one province to another should ask the Secretary to send the transfer to the new Member-Society. Please keep us informed when you change your address or name.

My grateful thanks to the secretaries and treasurers of the Member-Societies for their co-operation and assistance during the year.

Respectfully submitted,

—(Mrs.) E. I. HOOD, R.N., R.T.,
Registrar.

SOCIETY	Life	Hon. Life	Radiologist	Active	Non-Active	Associate	Totals 1961	1960	1959	1958	1957
Non-Provincial	....	7	3	41	16	....	72	41	22	31	21
Alberta	....	....	....	120	34	5	159	138	123	100	93
British Columbia	1	....	....	162	42	6	210	214	139	148	168
Manitoba	1	....	....	128	22	3	153	158	145	127	98
New Brunswick	....	....	....	74	12	....	86	93	84	75	59
Newfoundland	....	....	....	27	2	2	31	23	25	18	24
Nova Scotia	1	....	....	94	13	....	107	99	80	70	57
Ontario	1	....	5	463	127	5	600	515	444	369	348
Quebec	....	....	....	288	44	4	336	303	247	198	198
Saskatchewan	1	....	....	122	21	....	143	137	115	105	96
					Totals		1897	1721	1427	1241	1162

NINETEENTH ANNUAL MEETING
CANADIAN SOCIETY OF RADIOLOGICAL TECHNICIANS
JUNE 26th-29th, 1961

REPORT OF THE PRESIDENT

It is my privilege to present the President's report on this occasion, the Nineteenth Annual Meeting of the Canadian Society of Radiological Technicians.

First of all, there was a feeling of great security, knowing that the CSRT Advisory Committee formed in 1960, was available for guidance if necessary. Full use was not made of this Committee, but the fact that it has been formed, and the benefits are available, should be a consolation to any President.

PUBLIC RELATIONS

The compilation of career literature—folder and brochure—was completed. You will recall that this project had been under consideration previous to this year, and it is due only to the prodigious amount of work carried out by the Chairman of this Committee that we have this literature now available. We regret that Miss Plowman finds it necessary to resign from this Committee, but I am sure we can express our grateful thanks for a job well done. Presumably there will be criticisms of these brochures, but let us make our criticisms constructive.

PERSONNEL PRACTICES

The report submitted by this Committee (at the half year) was most comprehensive. The aims of the Committee

1. To increase the membership,
2. To improve standards of work,
3. To improve standards of employment,

are to be commended. It would appear that the work of this Committee is only beginning. The Society is urged to support and encourage the aims and objectives of the Personnel Practices Committee.

COMMITTEE ON QUALIFICATION

Our sincere congratulations are extended to those who became Registered Technicians during the past year. As each year passes, the senior members of the organization become another year "senior," and it is to recent registrants that we "throw the torch."

The Committee on Qualifications is to be congratulated for the speed with which results were available following this year's examinations. This is no small task, and requires a co-ordinated effort on the part of the Committee.

We appreciate particularly the contribution made by Dr. Jean in having the CSRT curriculum translated for the benefit of the French speaking members.

JOINT COUNCIL ON TECHNICAL TRAINING

It was my privilege to meet informally with several members of the JCTT in Saint John, N.B., in January, 1961. As the Chairman of the CSRT Committee expressed it, "we were able to discuss items in a period of a few hours that would take several weeks to cover by correspondence."

As you know, the fall (1960) meeting of the JCTT endorsed our resolution proposing Senior Matriculation as a preliminary educational requirement; the designation of the term Fellowship was endorsed at that time; and the importance of correlation of information was stressed so that all correspondence would be made available to the Secretaries of the JCTT and the CMA. In fact, we deeply appreciate the close co-operation enjoyed between these Associations (the CMA, CAR, CSRT, COQ and JCTT).

You will hear that the JCTT has a Committee studying the pros and cons of central training schemes. We are looking forward to the report of this Committee at some future date. We are looking forward, also, to a report of the Committee investigating the matter of isotope training. We are gratified to hear of action by military services towards improving preliminary educational standards.

RESOLUTIONS

Two resolutions have been submitted for your consideration. A former President has said that the submission of a resolution proves that the membership is thinking, and isn't this true?

COMMITTEE ON LAW

The Committee on Law has been busy during the past year, as evidenced by the proposals which will be brought to the attention of the assembly during these sessions.

AWARDS

It must have been a source of great disappointment to this Committee not to receive an entry of sufficiently high calibre to qualify for the CSRT Essay Award. Possibly this proves that one must apply oneself, and not wait for someone else to undertake a project.

PUBLICATIONS—"FOCAL SPOT"

The commercial distribution system approved last year went into effect with the fourth issue of 1960. The advantages have been listed by the Editor in his fine report.

The overall picture for our National Magazine is encouraging, both from the Editor's point of view, and from the point of view of the Advisory Board.

FELLOWSHIPS

This is another hard-working Committee, as evidenced by the arrangements for a fine series of lectures this past week.

This Committee has submitted proposals and recommendations for your consideration.

Since this is a definite milestone in the progress of our Society, you are asked to give "careful study to these proposals, so that a programme may be completed for the introduction of a Fellowship category."

The subject of local refresher courses has been mentioned by previous Presidents — it bears repetition since it appears of prime importance. The Directors of the Member-Societies are urged to promote and encourage annual refresher courses within their own organizations for the benefit of all technicians, but particularly for those who do not have an opportunity to attend the Fellowship Lecture Series.

INTERNATIONAL SECRETARIAT OF RADIOGRAPHERS AND RADIOLOGICAL TECHNICIANS

It is hoped that you will read the excellent progress report of the joint secretary of this organization (ISRR). You will have the privilege of hearing Mrs. Cameron speak regarding this organization during our present sessions, and she will, no doubt, be reminding you of the Second World Congress of Radiological Technicians to be held in Montreal in 1962, and our obligations towards the planning for this Congress.

Your President was unable to attend the sessions of the Canadian Hospital Association in Toronto, May 24th-25th-26th, 1961. We look forward to receiving an account of these meetings from our Past President, Mr. Fisher, who willingly accepted the assignment to represent the CSRT at these sessions.

For the sake of closer relationships with administration and management of hospitals, it is important to maintain these connections with the National Organization as well as with each Provincial Hospital Association.

Our congratulations are extended to the Member Society attaining legislation during the past year. It is to be hoped this recognition will prove well worth the effort. To the remaining organizations working towards this end, we wish you every encouragement and hope for your success in the near future.

The Board of Directors is aware of the volume of correspondence carried out over the past year. As you look back, I trust each member of the Board attempted to assist the Secretary by replying to all letters promptly. Such an effort is of immeasurable assistance in reaching a speedy decision.

C.S.R.T. ANNUAL REPORTS

We thank all those Committee Chairmen who prepared and submitted reports for January 1st, 1961. We realize this was not easy to do, but it is felt that it was probably of assistance in the compilation of your final report—and it helped to bring the members of the Board up to date.

It will be our attempt to conduct all business sessions as concisely as possible. You have had an opportunity to read the majority of the reports and it is hoped you have given each one some thought so as to be prepared for discussion, when this report is brought before the assembly.

In "The Conduct of a Meeting" W. G. Frisby has stated "The aims of the rules of procedure are not to keep us where we are but to get us where we should go without losing our way." He suggests, too, that "Rules of order should not be used to restrict unduly the transaction of business and rob a meeting of life; rather to try to preserve the pleasure of persons meeting together." Harmony is a subtle and powerful ingredient in the success of any operation. In other words, we must use "horse" sense, which has been defined as "stable" thinking. This is certainly to be preferred in contrast to the featured story about the rooster living without its head, and someone was heard to remark, "What's so unusual about that? All kinds of human beings get along without using their heads these days."

May I take this opportunity to extend our sincere thanks to the Secretary-Treasurer and Registrar—Mrs. Hood—for her devotion to CSRT duties throughout this past year; also to the Executive and Board of Directors for their direction over the past twelve months; sincere thanks and appreciation go to all Committee Chairmen, and members of Committees. In fact, to each and every one who has contributed in any way to the work of the organization during this past year. And above all, may I thank you most sincerely for the privilege and honor of serving as your President since June, 1960.

Respectfully submitted,
—KATHERINE CREELMAN, R.T.,
President, CSRT.

REPORT OF THE COMMITTEE ON QUALIFICATIONS

1960 - 1961

At the request of the Board of Directors an interim report on the activities of the Committee on Qualifications was submitted last January. This report outlined the progress of the Committee. At the end of this year we are happy to produce the following statistics:

	Candidates	Pass	Fail	% Passed
May, 1960	197	165	22	84%
Nov., 1960	290	226	64	76%
May, 1961	191	144	47	75%

A large number of candidates failed in Radiobiology and Protection, Radiography, Dark Room and Physics. In May the number of failures in Radiobiology and Protection was 36. We believe that the importance of this subject should be emphasized. New mechanical and chemical procedures for film processing are very likely the cause of the numerous failures in Dark Room. The technician is less concerned with the preparation of solutions and handling of the films. At least this is the impression we gained from the assessment of the papers of the May examination.

We are still studying the possibility of a new format for examination and we hope that in the near future a format which will ease the task for the examiners and at the same time help the student will evolve.

LOG BOOKS

Last November the log books were carefully screened and a detailed report was published. In May they were screened again and we have found that there are still Training Centres where log books are not adequately filled. In many cases the name of the candidate, the city or the name of the Training School do not

appear. We note, however, that students in radiation therapy have submitted log books which have been completed to perfection, this we believe is an indication of the efficiency of the therapy schools. We feel that the same efficiency in the supervision of the daily work of the student is urgently needed on the part of those who are responsible for diagnostic schools.

REMARKS

It is suggested that in view of the large number of students in Radiology which is ever increasing, a period of two months should be allowed for marking the examinations. This chore requires on the part of the persons responsible a considerable amount of work consisting of marking the papers, tabulating the results and reviewing the log books.

At the end of this first year in office I can now appreciate better the gigantic amount of work accomplished by our predecessors and our only desire is to continue along the high standards which they have established. To enhance the efficiency of our work it would be extremely desirable that the members of the Committee on Qualifications meet several times during the year in order to lighten their burden and to speed up the work of this Committee. The members of the Committee for the year 1960-1961 were:

Dr. Jean-Pierre Jean, Radiologist, President; Dr. Brian McPhillips, Radiologist; Dr. Yvan Méthot, Radiation Therapist; Mr. Tony Stechyshyn, R.T.; Miss Marjorie MacBean, R.T., Rev. Sister Judith Marie, R.T.

The collaboration of all has been essential to the achievements of this Committee. Appended please find a complete detailed report of the activities of the Committee.

Respectfully submitted,
—JEAN-PIERRE JEAN, M.D.,
Chairman.

COMMITTEE ON QUALIFICATIONS

STATEMENT OF RECEIPTS AND DISBURSEMENTS

To April 30th, 1961

Balance in Bank at May 1st, 1960			$1,675.45
RECEIPTS:			
Examination Fees	$6,588.30		
Certificate Fees	5.00		
Bank Interest	25.42		
		$6,618.72	
DISBURSEMENTS:			
CSRT Share of Examination Fees	$4,912.00		
Printing and Stationery	729.18		
Travelling	184.00		
Honoraria	125.00		
Postage	66.70		
Examination Committee Expense	648.20		
Office and General Expense	37.90		
Accounting	25.00		
Bank Charges and Exchange	7.62		
		6,735.60	
EXCESS of Disbursements Over Receipts			116.88
BALANCE in Bank at April 30, 1961			$1,558.57

I have examined the books and accounts of the Canadian Society of Radiological Technicians, Committee on Qualifications, for the period May 1, 1960, to April 30, 1961. In my opinion the above statement of Receipts and Disbursements presents fairly the results of its operations for the period, according to the information and explanations received by me as shown by the books of the Committee.

Montreal, May 26th, 1961.

(Sgd.) ROGER MANTHA.

THE CANADIAN SOCIETY OF RADIOLOGICAL TECHNICIANS

STATEMENT OF REVENUE AND EXPENDITURES

For the Year Ended April 30th, 1961

REVENUE

Membership Dues—Active	$ 10,278.00	
Associate	159.00	
Non-Active	490.00	
Member-Societies	90.00	
Reciprocity Fees	45.00	
Portion of Examination Fees	3,692.62	
Student's Kits Sold	992.00	
CSRT Crests Sold	15.95	
CSRT Pins Sold	448.00	
Focal Spot Subscriptions	1,525.48	
Interest and Exchange Received	288.77	
Portion of Dues Refundable to Member-Societies	4,716.00	
Refund—1960 Fellowship Course	100.00	
1960 CSRT Convention	3.70	
Joint Council	33.77	
Board of Directors	53.74	
Postage for Certificates	21.70	
		$ 22,953.43

EXPENDITURES

Directors' Expenses	$ 2,852.51	
Secretary-Treasurer's Salary	4,200.00	
Printing and Stationery	568.41	
Postage, Telegrams and Office Supplies	714.15	
Bank Charges and Exchange	50.43	
Audit Fee	50.00	
Printing of Registry (1960)	700.00	
Focal Spot Expenses	1,784.11	
Delegates' Transportation	1,452.60	
Joint Council	1,831.04	
Third International Convention Advance	500.00	
Refunded Dues to Member-Societies	4,757.00	
CSRT Pins (200)	700.00	
CSRT Essay Award (1960)	100.00	
Stencils for Brochures	196.70	
Dominion of Canada Bonds ($5,000.00)	4,777.21	
Awards and Gifts	146.80	
I.S.R.R.T. Assessment	74.40	
Bond for Secretary-Treasurer	25.00	
Photographs for Historian	15.40	
President's Pin	17.52	
Safety Deposit Box Rental	5.00	
Returned Cheque	7.94	
Miscellaneous	59.14	
Depreciation on Office Equipment	37.38	
		25,622.74
EXCESS of Expenditures Over Receipts		$ 2,669.31

THE CANADIAN SOCIETY OF RADIOLOGICAL TECHNICIANS

Exhibit "A"

BALANCE SHEET

APRIL 30th, 1961

ASSETS

Current:		
Petty Cash Fund	$ 11.81	
Cash on Hand for Deposit	61.30	
Bank of Montreal—Savings Account	13,792.94	
Dominion of Canada Bonds ($5,000.00)	4,777.21	
Account Receivable—*The Focal Spot*	1,484.53	
		$ 20,127.79
Fixed:		
Office Equipment	$ 292.01	
LESS Reserve for Depreciation	142.50	
		149.51
		$ 20,277.30

LIABILITIES

Current: Accounts Payable—Audit Fee		$ 50.00
Surplus:		
BALANCE, May 1st, 1960	$ 16,634.87	
Add:		
Dominion of Canada Bonds	4,777.21	
Accounts Receivable	1,484.53	
Deduct:		
Excess of Expenditures Over Receipts for the Year Ended April 30th, 1961	2,669.31	
		20,227.30
		$ 20,277.30

To the Executive and Members of the Canadian Society of Radiological Technicians:

I wish to report that a complete audit of the Books of Record of your Society has been conducted and from the information derived therefrom I present—

Exhibit "A"—Balance Sheet as at April 30, 1961.

Exhibit "B"—Statement of Revenue and Expenditures for the year ended April 30, 1961.

These Exhibits disclose the true financial position of the Society and its operation for the last fiscal year.

Yours truly,

(Sgd.) H. L. WARREN.

COMMITTEE ON TECHNICAL TRAINING

I hereby submit the annual report of the Committee on Technical Training, CSRT, for the year 1960-1961.

In view of the fact that Dr. Stapleton, Chairman of the J.C.T.T., will be presenting a detailed report of our joint activities during the past year, I am going to confine my report to a brief review of our progress.

There has been considerable improvement in the interest shown in the training of Radiographic and Radiotherapeutic technicians these past four years.

Radiologists and hospital administrators are definitely showing a greater interest in our efforts to guide them in their training program and in most instances are anxious to comply with the regulations laid down by the JCTT.

Our first survey of training centres revealed a serious lack of training facilities in a high percentage of such centres.

Although these deficiencies were carefully pointed out with a request that they try to overcome them, a small percentage felt they could not possibly meet our requirements and voluntarily discontinued their training scheme.

The majority of others made suggested changes as rapidly as possible and although some have to date only acquired provisional approval, they have improved their training program so rapidly that if their rate of improvement continues they will most likely be granted full approval at the next survey.

It is most gratifying to note that many smaller schools, who could not in themselves have qualified, went to considerable trouble to arrange recommended affiliation with a fully approved school in order to continue their training.

In other areas central training schemes have been organized and are working quite well. The central training scheme appears to be the answer to the problem of training, at least for the smaller institutions. The JCTT has a committee studying the pros and cons of central training schemes functioning at present and we hope to have some valuable information on the subject in the near future.

The preliminary evaluation of schools by mail, which I mentioned in my progress report of last November, made it possible to evaluate a much larger number of schools during our semi-annual meeting at Saint John in January, 1961. All new applicants were evaluated and most former schools were reviewed and given reclassification when warranted.

Isotope training was thoroughly discussed and a committee formed to look into the subject.

You will be interested to learn that definite action has been taken toward acceptance of our standards by the military services. This is at least partly due to the efforts of our new committee member, Mr. Wm. Noel.

As your trusted representatives, we have done our best to place all matters pertaining to the welfare of radiographic and therapeutic technicians before the JCTT and although there have been differences of opinion, we feel we have been fortunate in overcoming these without the sacrifice of goodwill.

With the matter of retaining goodwill in mind, may I suggest that should any member of the CSRT find fault with the function of a training school or training scheme and feel obliged to report to the authorities, they do so in the considerate manner suggested by the directive issued for that purpose by the JCTT.

Through the combined efforts of the Canadian Medical Association, Canadian Association of Radiologists and the Canadian Society of Radiological Technicians, a first-class syllabus has been set up, a most efficient Committee on Qualifications is in operation, a Joint Council on Technical Training, sponsored by the C.M.A., is actively engaged in evaluation of training courses for technicians and we now have a list of recognized training centres all across Canada, we have a national organization with convenient provincial branches and we have our own very final journal, *The Focal Spot*. This entire set-up has evolved for the purpose of improving the service to the sick and ailing through the medium of our employers.

All in all we can be justly proud of the progress which has been made in the field of Radiography and Radiotherapy, thanks to the foresight and action of our friends and willing workers from the above-mentioned organizations.

We must jealously guard our position and one way of doing this is by each individual R.T. daily living the attitude of—What can I do to-day to help improve my work and my service to my employer and his patients?

Before closing, I wish to take this opportunity of thanking Dr. A. F. W. Peart and the members of the C.A.R. for their consideration and many kindnesses shown to us during the course of our meetings in the past year. I also wish to express my appreciation to the members of my Committee for their generous contributions to the time-consuming but gratifying work of the Committee, and to the Directors and members of the CSRT for their support.

For the record, I would like to mention that our very capable Secretary, Nan Plowman, will not be with us at the Montreal meeting. She will be in England attending to urgent family matters. Our best wishes go with her and we look forward to having her back with us in the near future.

Respectfully submitted

—WM. DOERN, R.T.,

Chairman.

PUBLIC RELATIONS COMMITTEE

In presenting my report as Chairman of the Public Relations Committee, it is a pleasure to inform the membership that the plans approved at the 1960 annual general meeting for a career folder and companion brochure have been fulfilled.

I would like, before giving details of the publications, to express my very great appreciation to Dr. Robert G. Fraser, Honorary Secretary-Treasurer of the Canadian Association of Radiologists, for his many helpful suggestions and advice. This has made possible the compilation of career literature, approved by both our associations, which we feel will present High Schools with a true picture of the radiological technician as an integral member of the radiological or radiotherapeutic team.

The material consists of two separate but companion publications. The five-column folder and the detailed brochure are illustrated to give a broad picture of the radiographic and radiotherapeutic technician at work. The folder is designed for wide distribution to High Schools, and the brochure for the use of guidance counsellors and information of interested students. The folder and cover pages of the brochure are of a distinctive yellow color and both are designated as the official publication of the Canadian Society of Radiological Technicians to which Society the copyright belongs. A French language version is being prepared under the direction of the President of the Quebec Society of X-Ray Technicians.

Twenty thousand copies of the folder and 5,000 copies of the brochure have been printed and are obtainable either from the Secretary-Treasurer of the CSRT or the provincial Secretaries. The cost of publication was $1,004.78 including the permanent stencils. Through the good offices of Dr. Fraser each member of the CAR will receive personal copies of the publications.

A permanent display of the folder and brochure was made in January, 1961, and exhibited at the midwinter meeting of the CAR. This will be on display at the Third International Meeting in Montreal, June, 1961.

In conclusion, I would like to express my very real thanks to my colleagues at the Princess Margaret Hospital, Toronto, Ontario, for their patience and help, without which it would have been impossible to meet this commitment.

I regret that pressure of work and other commitments force me to resign from this Committee since the publication of the brochure is but the beginning of the Committee's work.

Respectfully submitted,

—A. NANETTE PLOWMAN,

S.R.N., M.S.R., R.T., Chairman.

C.S.R.T. ANNUAL REPORTS

AWARDS COMMITTEE

Personnel—Chairman, Dr. J. D. Stevenson, Vancouver, B.C.; members, Mr. John S. Flanagan, R.T., Kingston, Ontario; Mr. Kenneth Newell, R.T., Regina, Saskatchewan.

Activities: Rules and Regulations for the CSRT Competition, Gevaert Essay Awards and an additional competition sponsored by the Ontario Society of Radiological Technicians were published in *The Focal Spot*, Issue No. 73, which was received in early January. No rule changes were made and deadlines for submissions were not altered.

Awards: Response this fiscal year, both in number and quality, was very discouraging. Absence of originality and the presentation by more factual methods such as graphs, diagrams and illustrations were major factors in the lower standard of this year's entries. There also appeared to be some misunderstanding as to the rules. Several essays were received by the Chairman of the Program Committee, while the majority were correctly directed to your Secretary-Treasurer, Mrs. Hood.

CSRT Award: No award was made by the unanimous decision of the Committee. Mr. Flanagan and Mr. Newell received only one copy for this award. Mrs. Hood and myself, after sorting entries, felt that three could have been entered if submission had been according to the Rules and Regulations. With the International CSRT-ASXT Convention in June, 1961, it was disappointing that such an Award could not be declared.

Gevaert Essay Awards:

R.T. Competition: Six papers were submitted. (1) Gold Medal Winner—"FLUID FILTRATION FOR PERIPHERAL ANGIOGRAPHY." Silver Medal Winner—"RADIOGRAPHY IN CHRONIC DISLOCATION OF THE SHOULDER."

Student Competition: Five papers were submitted. Bronze Medal Winner—"BEHIND THE SCENES."

Ontario Society of Radiological Technicians —Essay on "Radiobiology and Protection"—Award $100.00. No entries.

We take this opportunity to thank the O.S.R.T. for their stimulus and generosity.

Recommendations:

(1) That all essay competitions should continue. We will require advertising by the Executive and Directors and the individual provincial Societies.

(2) That the earliest fall issue of *The Focal Spot* contain a centre colored leaflet of the rules and regulations, which can be extracted and retained by the individual. Also, that extra copies of this leaflet be obtained for distribution by provincial Societies to new student registrants.

(3) That better correlation between this Committee and the General Chairman and the Program Chairman of conventions be attained so that closing dates for essay submission can be of maximum benefit to all concerned.

(4) That the CSRT request the provincial Societies to place a discussion of the Awards on the agenda of their annual meeting.

(5) That an outline of the value of these Awards, in terms of improved technical service and greater technician interest, should be incorporated in a circular to radiologists of "approved" and "interim approved" training schools.

(6) That the closing dates of the CSRT and Gevaert Awards be altered and agreed upon so as to be of value to the competitor, the Program Chairman of the annual convention and this Committee.

(7) That notification of intention to enter (para. 3 of CSRT Award) be deleted.

(8) That the Fellowship Committee require candidates to submit an essay as part of its requirements.

(9) That this Committee receive comments and constructive criticism from the Board of Directors after the June meeting in Montreal.

May I again thank Messrs. Flanagan and Newell for their co-operation throughout the year and Mrs. E. I. Hood for her untiring efforts.

—J. D. STEVENSON, M.D.,
Chairman.

EDITOR, THE FOCAL SPOT

This report covers the five 1960 issues of *The Focal Spot*. The number of pages (including covers) was 352 compared with 296 (including covers) in 1959; 56 pages more—the size of an extra issue.

Fourteen articles were published occupying 72½ pages. This is the same number as in 1959 but the 1960 articles took ten pages more.

Seventy-four pages were taken up with CSRT material compared with 99 pages in 1960, 25 less. However, 27 pages were occupied by CSRT examination papers in 1960 while only seven pages of examinations were published in 1959 and these were included in CSRT material in the report.

The Registry took 28 pages in 1960, compared with 32 in 1959. There were more names in the 1960 Registry owing to closer spacing and utilization of the third cover. The current 1961 Registry contains still more names than its predecessor but we still managed to keep within 28 pages by close spacing and the removal of the provincial crests. We typeset a sample layout with three columns but it was not satisfactory and would not have saved much space overall.

Provincial News occupied 56 pages, nine more than in 1959.

Advertising took 68½ pages, 3½ pages more than in 1959.

The total number of copies printed continues to increase. In 1960 we printed 15,425 copies, 2,125 more than in 1959 and 4,425 more than three years ago.

With Issue No. 72 (No. 4, 1960) we started the new commercial distribution system as passed at the 1960 Annual Meeting. We also effected a saving by dispensing with envelopes for the journal and using instead gummed address labels.

I would like at this point to thank Mrs. Gladys Cassidy, the former Ontario distributor, for volunteering to get the names and addresses of subscribers from all the provinces and have the address plates made by the distribution agency. Mrs. Cassidy had a great deal of experience in this work when she used to address (by hand!) and mail nearly a thousand copies of each issue to Ontario members. In inaugurating our new system she did an excellent job of co-ordinating the lists, eliminating duplications and making additions, deletions and addresses changes. She is a fine example of a willing worker and our thanks are due to her.

Three advantages were anticipated in adopting commercial distribution—(1) members acting as distributors for the provinces would be relieved of an arduous task. (2) Subscribers should receive their copies more promptly from one central point. (3) It appeared that after the initial expense of making address plates the system would cost no more and would probably result in a saving. I feel that I am stepping into Mr. Wilkinson's realm as Chairman of *The Focal Spot* Advisory Board, especially as he worked out a very carefully tabulated list of the estimated cost and savings which the Directors examined last year; but I am sure Mr. Wilkinson has plenty to do at the present time as Chairman of the Third International Convention. I, too, am interested in seeing how the system is working out financially, so I have made up a table comparing the cost of distributing three issues (Nos. 4 and 5, '59, and No. 1, '60) with that of the corresponding issues of the previous year. In this table I have not included the initial cost of making 2,472 address plates and subsequent additions, nor have I included the postage as this is common to both methods of distribution.

1959 - 1960

Issue	Envelopes	Express	Total
#4-59	$39.75	$66.21	$105.96
#5-59	42.00	64.39	106.39
#1-60	42.00	72.27	114.27

1960 - 1961

Mailing

Issue	Labels	Cost	Total	Saving
#4-60	$15.54	$48.60	$64.14	$41.82
#5-60	15.54	42.50	58.04	48.35
#1-61	15.54	42.50	58.04	56.23

Saving on three issues—$146.40. Estimated saving on five issues—$244.00.

The initial cost of making address plates was $301.83. Since then we have had 108 address changes and 104 new plates, costing in all $37.85. So it would appear that the initial cost would be paid off in the second year of operation and from then on the saving would more than pay for address changes and additions.

We have also concluded arrangements with Ottawa by which average weight issues can be mailed for three cents instead of four. This only applies when they are all mailed from one centre.

I would like to take this opportunity of expressing my appreciation of the excellent work done by Mr. Hugh Menagh over his many years as Circulation Manager of *The Focal Spot.*

Now that the new distribution system has been launched, the master lists will be handled by Mrs. Hood who will forward additions and changes to the commercial distributor. May I take this opportunity of urging all members who have changed their addresses to notify Mrs. Hood at once; also, any who may not have been receiving the journal. There have been some instances where members will let it go for six or nine months and then complain that they have not received the last two or three issues.

I would like to express my appreciation of the active and quick co-operation of Mrs. Hood in our frequent correspondence and also of her efficient handling of the finances of *The Focal Spot.*

The Editor is still striving to catch up to the stated publication dates. Issues have been published from two to three months apart at the rate of five per year, but they have been theoretically one issue behind. It is surprising how difficult it is to produce them quickly enough to catch up on this odd issue. It takes six weeks to two months to prepare an issue and from two to three weeks to print it. The pre-convention issue this year was particularly complicated and large and it also included the Registry—92 pages in all (96 with covers), practically equal to two issues. This took 2½ months to prepare and 3½ weeks to print. However, I have every hope that now these are finished I will be able to get the remaining three issues of 1961 published in 1961 and start off 1962 with No. 1 in January.

I have heard several requests that we publish answers to the examination papers. It is thought that students would have their interest stimulated by doing the papers and then checking their answers with an official list in the following issue. The work of the Committee on Qualifications undoubtedly makes great demands upon the time of its members, but perhaps some other individual could be appointed to produce a list of answers which would be sanctioned by the COQ before publication.

Respectfully submitted,

LESLIE J. CARTWRIGHT, R.T.

Editor, *The Focal Spot.*

FOCAL SPOT ADVISORY BOARD

Since the formation of *The Focal Spot* Advisory Board some two years ago, the operation of *The Focal Spot* has gradually improved both financially and otherwise. Much of this improvement has been due to the work of the members actually involved with the operation of *The Focal Spot.* Mr. Cartwright, your Editor, has been striving to improve the quality of the editorial material and to improve the timing of publication. Mrs. Hood has done an excellent job as Financial Manager of the journal, and we are sincerely indebted to her for the work she has done. Mrs. Gladys Cassidy took over the work of Circulation Manager for Canadian subscribers and is gradually getting this problem straightened out. Mr. Menagh has continued to act as Circulation Manager for foreign and overseas subscriptions and it is hoped that as the journal improves, these subscriptions may increase.

A recent preliminary financial report would indicate the position of *The Focal Spot* to be relatively sound. Although both receipts and disbursements exceeded the budget figures made last year, it is gratifying to realize that a relative balance was achieved this year in spite of the increased costs of setting up the central distribution system. The success of the central system may be realized only if members will

remember to notify Mrs. Hood of any change of address, promptly, otherwise this system will become inefficient and costly.

Members may have noted an increase in publication in the French language. This translation has had its problems but it is the feeling of the Chairman of this Committee that this has improved our journal. Our French speaking members now have a better opportunity to read the journal and in addition it offers the possibility of a wider circulation overseas with the bilingual text.

I believe I voice the sentiments of this Advisory Board when I say that our journal is now operating on a much sounder basis and that we may look forward to still better things in the future.

Respectfully submitted,
—G. A. WILKINSON, R.T.,
Chairman.

THE FOCAL SPOT BALANCE SHEET

April 30th, 1961

ASSETS

Cash in the Bank:		
Royal Bank of Canada—Vancouver	$ 2,029.24	
Canadian Imperial Bank of Commerce—Toronto	113.03	
Accounts Receivable	1,352.50	
		$ 3,494.77

LIABILITIES

Current—		
Canadian Society of Radiological Technicians	$ 1,484.53	
Audit Fee	30.00	
		1,514.53
Surplus Account		1,980.24
		$ 3,494.77

STATEMENT OF RECEIPTS AND DISBURSEMENTS

For the Year Ending April 30th, 1961

RECEIPTS

Advertising	$ 4,023.50	
Subscriptions	6,190.98	
Interest and Exchange Received	17.66	
		$ 10,232.14

DISBURSEMENTS

Seagers Press	$ 6,461.25	
Standard Engravers	353.10	
Better Business Unlimited	783.47	
Advertising Agency Discounts	319.86	
Audit	30.00	
L. J. Cartwright, Salary and Honorarium	1,750.00	
L. J. Cartwright, Travel Expenses	250.00	
Exchange and Bank Charges	44.28	
H. J. Menagh, Honorarium	75.00	
Postage and Petty Cash	182.73	
Miscellaneous	22.79	
		10,272.48
EXCESS OF EXPENDITURE OVER RECEIPTS		$ 40.34

May 30, 1961.

To the Executive of The FOCAL SPOT:

I wish to advise that a complete audit of the records of your publication has been conducted and from the information therein contained and explanation received, I present the following:

Balance Sheet as at April 30th, 1961.

Statement of Receipts and Disbursements for the period ending April 30, 1961.

These exhibits disclose the true financial position of the publication and its operations for the last fiscal period.

HARRY L. WARREN
Public Accountant
86 St. George St., North Vancouver, B.C.

C.S.R.T. ANNUAL REPORTS

PERSONNEL PRACTICES COMMITTEE

The members of the Committee are as follows: Wm. Rauliuk, Saskatchewan; Wm. Andries, Alberta; Miss B. A. Maitland, Nova Scotia; Ed. Lidkie, Ontario; Miss B. Wrublowsky, Manitoba; Jas. Williams, New Brunswick; J. Logan, British Columbia, and A. Noseworthy, Newfoundland.

Each of the aforementioned members is Chairman of the Personnel Practices Commitee in his own province and should be congratulated on the splendid work they are doing for their Societies.

The purpose of the CSRT Committee is three-fold:

1. To increase the membership: For our Society to work most effectively it is of the utmost importance that we represent a large majority of the technicians doing x-ray work.

2. To improve our standards of work: We have a definite responsibility to the public that we serve.

The Society can best meet this responsibility by providing better training facilities and by providing post-graduate courses for technicians.

For the individual, it is his responsibility to attend these lectures and to strive to improve his work on a day-to-day basis.

3. To improve our standard of employment: A technician who is working under favorable circumstances with adequate remuneration will feel that his best is appreciated and will have the incentive to work with the utmost efficiency.

The aims of your Committee are high. To accomplish these aims the complete co-operation of all officers and members of the Society is required.

Mr. Wm. Rauliuk, R.T., reports that the Saskatchewan Society of X-Ray Technicians has mailed the CSRT brochures, their own academic qualifications, the accredited training schools in the province, as well as their Salary Scale and Working Conditions, to all radiologists and High Schools in the province.

Miss B. A. Maitland, R.T., reports that Nova Scotia has been spending much time in an effort to produce their Salary Scale. This they have accomplished and it has been received with interest all over the province by radiographers and authorities alike. The Salary Scale has been approved by the radiographers but as yet has not been adopted by any hospital either officially or unofficially.

Mr. Ed. Lidkie, R.T., of Ontario has a new Salary Scale ready for circulation in the fall. He also reports that four cases were referred to the Committee for assistance in getting a higher wage standard. Two of the cases resolved themselves and two concerned hospital policy in regard to sick leave and holidays. Mr. Lidkie states they have not yet considered any master plan in regard to how they will handle requests for higher salaries. They are considering writing the chief technician or radiologist first to find out how the quality of the individual's work compares with other technicians. If it is below par then the onus would be on the technician to improve to a point where an increase was warranted. If the technician's quality of work and general attitude were satisfactory then it would be up to the radiologist or administrator to say why an increase was not warranted. If considerable trouble is experienced from certain hospitals or clinics, then we could consider some type of gray or black list to warn technicians not to accept employment in these places. If this were publicized enough, it could eventually have a telling effect on raising standards in a number of places where the standards are below par.

Miss B. Wrublowsky, R.T., of Manitoba, has been working hard gathering information from the other provinces as well as referring to their previous Salary Scale and has come up with their proposed Wage Scale for 1961. The Manitoba general meeting will be held on May 17th, 1961, at which time the Wage Scale will be presented to the membership.

Mr. J. G. Logan, R.T., reports that the B.C. Division is in the midst of an active campaign on two fronts: one is a legislative act for technicians and the other is the broad field of personnel practices.

In October this committee was fortunate in obtaining a survey on wages and working conditions for all hospital personnel in the province. This information will be of great help when formulating a proposed Salary and Working Conditions.

A survey form is being drawn up to cover not

only Personnel Practices but also to supply information concerning the Act. This survey will also be sent to as many as possible of those doing x-ray work outside our Society.

Last spring the Technical Training Committee participated in basic and advanced courses for technicians which were sponsored by the Provincial Government. An improved version of similar courses will be held this spring.

Mr. Alex. Noseworthy, R.T., Newfoundland, reports that they have been working on the pension problem for technicians. At the present time, technicians are non-pensionable. They have presented this problem to the government, where it is being given consideration.

They have also had a drive on to have technicians present more technical papers at monthly meetings. They find this is very educational along with promoting a person's confidence in public speaking.

Mr. Wm. Andrias, R.T., of Alberta, was appointed to this Committee in October, 1960. He reports that he had written several letters and had also phoned labor organizations and skilled labor groups for their wage scale and benefits but found that this method was not too satisfactory. The best means of obtaining this information was through personal contact. It was decided, therefore, to assign several persons to make personal inquiries into professional and non-professional groups for a "cross-section" of wages, inquiries into professional and non-professional groups for a "cross-section" of wages, etc.

In January, 1961, a circular was sent to all registered technicians asking for the wages they are receiving and the years of experience they have. No signatures will be requested.

From the cross-section of technicians' wages, along with comparable wage scales of other professional and non-professional groups, it will be possible to adopt a reasonable wage scale.

One member of this committee is working on the standardization of "output" of x-ray machines.

The next step will be to raise and standardize means of education in the province.

Yours sincerely,
—(Mrs.) MARION WALKER, R.N., R.T.,
Chairman.

RESOLUTIONS COMMITTEE

Only two resolutions were submitted to the Resolutions Committee for consideration at the 1961 Convention, both of which were accepted by the Committee. There was a little delay in sending them to *The Focal Spot* for publication, owing to the fact that one was submitted without the requisite signatures. It was necessary to send them to *The Focal Spot* without waiting for the report of the Committee on Law, in order to meet the publication deadline. However, a favorable report was received a few days later.

I would like to remind both the members of the Committees and those submitting resolutions, of the necessity of sending copies to members of two committees at opposite ends of the country and of meeting the pre-convention publication deadline, which make early submission and prompt replies essential.

On retiring as Chairman of the Resolutions Committee, I wish to thank the members of my committee for their co-operation and Mrs. Hood for her help and advice.

Respectfully submitted,
—MURIEL M. PURDY, R.T.,
Chairman.

HISTORIAN'S REPORT

The new Historian Book, purchased last year by the C.S.R.T., is now in use. A summary of the activities during the 1960 annual meeting of the Society in Edmonton, Alberta, has been recorded. This includes the Minutes, Committee Reports and a copy of the Welch Memorial Lecture as published in *The Focal Spot*. In addition, photographs of some of the events highlighting the Convention have been placed in the book. These include officers of the Society, Refresher Course lecturers and presentation of awards.

For several years the duty of the Historian has been confined to recording the above data. Would it be advisable to obtain a biography of the current President of the CSRT and submit this annually with the report of the Historian? Any suggestions as to further duties of the Historian would be appreciated.

Respectfully submitted,
—THELMA AMOS, R.T.,
Historian.

COMMITTEE ON LAW

(Editor's note: This report detailed the by-law changes. As these are printed in full on page 210 in the Condensed Minutes it is not necessary to reprint them here.) The report concluded:

The above is my final report as Chairman of the Committee on Law and is for the approval and ratification by the Board of Directors, C.S.R.T.

No report would be complete without paying tribute to the members of my Committee —Messrs. Derrald Thompson and John Hearn, without whose aid this committee could not have functioned. I would like to take this opportunity to thank every member of the Board for their valuable co-operation.

Respectfully submitted,
I. R. FISHER, R.T.,
Chairman, Committee on Law.

CONDENSED REPORT ON 1961 CANADIAN HOSPITAL ASSOCIATION MEETING

The Canadian Hospital Association Convention took place on May 24-26, 1961, at the Park Plaza Hotel in Toronto.

The first meeting took place Wednesday morning, opening with a call to order, the Invocation, Roll Call and an introduction of all the visitors.

Mr. Martin, in his Presidential Address, set the theme for the meeting; this can best be summed up in the following paragraph:

"These past two years have been momentous in the long history of our hospitals and hospital systems. We have lived through the experience of having hospital insurance made available to all residents of our country; we have witnessed the gratifying effects upon hospital financial operations of a solution to the age-old problem of inadequate payment for care of indigents; we have seen rise—in communities large and small from east to west—new hospitals and additions to existing institutions at a rate unprecedented in our history; we have, in certain parts of our country, seen the difficulties of raising capital funds for new buildings and equipment, resolved, to a point undreamed of a decade ago. We have overcome, to a great degree, the chronic shortage of unskilled and semi-skilled hospital employees, and we have enjoyed a great period of early change and evolution in many of the techniques and methods of education for many of our more skilled and professional classes of personnel. History may well record the beginning of the sixties as being one of the most dynamic periods in the eternal quest for our universal goal—Better patient care for all ill and injured citizens of our communities."

Following this address came reports from various boards and committees. Of interest to us was the report from the Committee on Education. This report was given by Miss Ruane, and here is a short excerpt:

"It was proven by the various hospital directors that any course could be taught by the home study method as long as the proper motivation and stimulus were applied to it by a capable student." The extension course which is now being given by the Canadian Hospital Association, was described as follows: "Recognizing that there was a lack of prepared nurses for first level positions in nursing service administration, a joint committee composed of representatives from the Canadian Nurses' Association and the Canadian Hospital Association met to discuss the desirability of an extension course for head nurses and supervisors and to formulate a proposal to the W. K. Kellogg Foundation for financial assistance. Accordingly, in July, 1960, the W. K. Kellogg Foundation generously agreed to provide financial support for a four-year period and the project was launched. It is called the "Extension Course in Nursing Unit Administration."

The above report is extremely important for it shows that the spotlight is on nursing education and all other ancilliary services are not forbotten but rather disregarded. This obviously is an avenue which we of the C.S.R.T. have not investigated. Its potential is tremendous and I feel that if the help of the C.H.A. were solicited they might assist us in our field to profit greatly by the various foundations which make financial assistance available to groups such as ours.

The result of the elections was given on Friday and the newly-elected President is Chief Judge N. V. Buchanan of Edmonton. The next annual convention will be held during the week of June 4th-8th at the Northern Alberta Jubilee Auditorium in Edmonton, Alta.

Respectfully submitted,
I. R. FISHER,R.T.

INTERNATIONAL SECRETARIAT OF RADIOGRAPHERS AND RADIOLOGICAL TECHNICIANS

This year a progress report has been drawn up of the work of the I.S.R.R.T. since its inception. This report has been translated into five languages and it has been circulated throughout the world—copy is added hereto.

Just prior to publication of this report, and subsequent to much correspondence, I received word from Mexico that, through interest aroused by the ISRRT, the Mexican Society of Radiology Technicians was being re-organized, and would be formed through the graduating classes of the Schools of Radiological Technicians, 1943-1959. All possible information was forwarded immediately and sample constitutions, curricula, and journals sent, both to the re-organizing President and to Dr. Manuel Duclaud, Director of the Technical School.

In February, it was my pleasure to learn from Lima, Peru, that the Peruvian Association of Radiological Technicians and Aides was also re-organizing, and was anxious to participate in the activities of the ISRRT. Full information was sent but thus far no further action has been taken.

It has been possible for Miss Van Dijk, Miss K. C. Clark and Mr. K. C. Denley to have the opportunity of interviewing Miss Margaret McGann and Mr. P. Roberts of the American Society of X-Ray Technicians concerning participation of this Society in the undertakings of the Secretariat. Enthusiasm was expressed by the American members, and it is my earnest hope that, upon conferring with representatives of our neighbor society at the Third International Meeting in Montreal, we may gain the additional strength of this great organization.

During the year assistance has been given to two Canadian technicians seeking employment abroad. Opportunities were obtained in Denmark and Switzerland for these applicants, but both technicians declined the positions offered. It should be mentioned here that in working abroad it is essential to learn the language spoken in the country of employment. Information has also been provided for technicians desiring to work in England, and three have benefitted by this experience during the past year.

The renewal of membership by the CSRT in the Secretariat with payment of a fee of $74.25 is gratefully acknowledged. The support accorded by the CSRT in this pioneer effort clearly represents the desire of its members to assist in raising the standards of radiological and radiotherapeutic technique, thereby benefitting the medical profession and the peoples of the world.

The Xth International Congress of Radiology will be held in Montreal from August 26th to September 1st, 1962. The Second World Congress of Radiological Technicians will also be held in Montreal at this time. The dates will be similar, with the exception that it may be necessary to open the Technical Congress officially on August 25th.

It now becomes our responsibility in Canada to plan and complete arrangements for this Congress, all arrangements to be submitted to the ISRRT Secretariat for approval.

Thus far the action taken has been in the form of interviews between the President and Secretary-General of the Xth World Congress of Radiology, and the Joint Secretary (America) of the ISRRT. Through these interviews, it has been arranged that all fully qualified Registered Technicians will be permitted to register with the Radiological Congress as "Scientific Associates" and thus will be admitted to all lectures of the Congress.

The registration fee will be $40.00, and this fee to include admission to the President's reception. The registration fee may seem somewhat high, but as this is the first occasion upon which radiological technicians have been accorded the privilege of attending these lectures in Canada, the benefits it is possible to accrue, would seem to merit some personal sacrifice.

Registration will take place at the Queen Elizabeth Hotel on Saturday, Sunday and Monday, August 25th to 27th.

Arrangements have been made to accommodate fifty persons at Macdonald College, Ste. Anne de Bellevue. This is a branch of McGill University—just 30 minutes' drive from Montreal. This accommodation will cost only $7.00

per day with three meals. We hope to provide free transportation to and from the College.

Social events are now under consideration—also the release of the first publicity concerning this meeting, which will be released immediately following the Third International Convention.

The Committee on Arrangements is composed of Mrs. Cameron, Miss M. J. Martin, and Mr. K. E. Hall, to be assisted by Mr. G. A. Wilkinson and Mr. G. Greenfield as "contact men" in Montreal.

At present the financing of this meeting appears somewhat formidable—it is hoped that plans may be formulated whereby—through united effort—our Canadian and Member-Societies may find it possible to extend some form of Canadian hospitality to our visitors from abroad. Of equal importance, however, is the maintenance of interest in promoting attendance at this meeting thereby justifying the privilege extended to us by the Board of Directors of the Xth International Congress of Radiology.

This report is respectfully submitted by

—MARY F. CAMERON, R.T.,
Joint Secretary for the Americas,
I.S.R.R.T.

INTERNATIONAL SECRETARIAT OF RADIOGRAPHERS AND RADIOLOGICAL TECHNICIANS

In connection with the IXth International Congress of Radiology, which was held in Munich from the 23rd to the 30th July, 1959, a series of meetings for radiographers was arranged by the Deutsche Gesellschaft Medizinisch-Technischer Assistentinner e.V. under the Presidency of Miss Friedel Werner.

At one of these meetings, which was held on Friday, July 24th, delegates and interested observers from various countries, about 30 persons in all, met together and discussed the question of forming some kind of international body so that there could be a greater co-operation between radiographers and radiological technicians throughout the world. After a good deal of discussion a small committee of seven was elected to consider the matter and report back. The Committee, which was selected mainly on experience rather than in relation to the countries which they represented, consisted of Mrs. Lisa Falk, Denmark; Miss D. vanDijk, Holland; Miss F. Werner, Germany; Mrs. M. Cameron, Canada; Mr. K. C. Denley, Great Britain; Mr. C. Smith-Kimoje, Ghana; Miss K. C. Clark, Australia. This Committee met on Tuesday, July 28th, and elected as its Chairman, Miss vanDijk of Holland. The Committee agreed to recommend to a geneeral meeting later in the day, the following:

1. That some form of international co-operation is desirable.

2. That it should be in the form of a Secretariat.

3. That the provisional title be "International Secretariat of Radiographers and Radiological Technicians", to take care of the titles "radiographer" and "technician" as used in various parts of the world. It was realized that this title is not fully adequate for all workers concerned in diagnostic and therapeutic radiography and the use of isotopes, thus it must be provisional only.

4. That two secretaries should act—Mrs. M. F. Cameron for the continents of North and South America and Mr. K. C. Denley for the continents of Europe, Africa, Asia and Australasia.

5. That all the countries with an association of radiographers and radiological technicians be free to apply for membership as an association and not as individual members.

6. That the aims of the Secretariat be to gain more information of each country's association, conditions of training, education and so forth, and to be of mutual assistance by the exchange of information, and by so doing, to improve the standards of training and qualifications throughout the world.

7. That each organization send details of such organization, together with methods of training and conditions generally, in triplicate, to the appropriate secretary.

8. That to defray the costs a voluntary contribution be made to the appropriate secretary who will also act as treasurer. For guidance, it was suggested that annual

payment be based on $25.00 for 500 members, or the equivalent, £10 per 500 members. For small groups a nominal payment might be made and this, which would be voluntary, would have no bearing whatsoever on the country's membership in the Secretariat.

9. A general meeting of the International Secretariat coincides with the International Congress of Radiology, thus the next meeting will be in Montreal in 1962.
10. That Miss Werner and her colleagues have achieved a great deal in arranging for the current meetings on an international level to be held concurrently with the International Congress of Radiology in Munich, and expressions of appreciation and thanks be made accordingly.
11. That with a great many countries represented it was decided:
    (a) To put all these recommendations to the general meeting later the same day,
    (b) to suggest that the present committee of seven, or an alternative elected committee continue to function until 1962;
    (c) to ask a representative from each country to make a brief statement about their organization including training conditions, etc.

At the general meeting held on July 28th the above items 1 to 11 were formally put to the meeting and carried unanimously, and thus the International Secretariat of Radiographers and Radiological Technicians, known briefly as the ISRRT was established. It was further agreed at this meeting that:

1. As far as possible members should make the conditions known to the countries not represented.
2. The information with application for membership from as many countries as possible be made available to the Secretariat by December 1959 and others to follow as soon as feasible.
3. The voluntary subscription be sent with the application for membership.
4. Members who have in mind to provide a shorter and more comprehensive title for the Secretariat to cover all activities, diagnostic, therapeutic and specialized work on isotopes, etc., should report their suggestions to the Secretariat.

During the meetings in Munich each organization represented was presented with a Rosenthal porcelain bust of Wilhelm Conrad Roentgen, which was a copy of the original bust by Professor R. Felderhoff, by Mr. George C. Grossel, Director of Agfa Aktiengesellschaft, to mark the inauguaration of the International Secretariat. By kind permission of Agfa the International Secretariat is allowed to use the bust as its symbol and it will be used to signify the international co-operation which was started in Munich.

Immediately following the Munich meetings the Joint Secretaries forwarded informative letters concerning the Secretariat to organizations throughout the world, sought information and issued invitations to organized groups to participate in this undertaking. It soon became apparent that considerable interest was being shown in the new International organization and the Joint Secretary in London has, up to the present time, received eight applications for membership with over £140 in contributions from the following countries, who have thus become members of the ISRRT: Australia, Canada, Denmark, Finland, Germany, Great Britain, Holland, New Zealand, Norway, Sweden and Switzerland. Other countries have indicated their desire to contribute and in addition reports have been received from Ghana, Czechoslovakia, Germany, Israel and other countries.

The Joint Secretary in Canada sent full information to the CSRT and the American Society of X-Ray Technicians. The Canadian Society immediately became a participating organization, forwarding a voluntary contribution of $64.40 or 5c per active member. The Board of Directors of the American Society lent kindly consideration to the undertaking but due to multiple commitments feels unable to participate just at this time. The Chairman of the Board has kindly requested further information which has been forwarded.

Contact has been made by the Canadian Secretary with individuals in Uruguay, Mexico, Chile, Peru, Dominican Republic, Haiti, Costa Rica, Buenos Aires, El Salvador and the Panama. Technical organization is not sufficiently strong in these countries to contemplate participation at present. Furthermore, although not within the coverage for the Americas, by special arrangement, Mrs. Cameron has invited the Japanese group to join the Secretariat. With flourishing radiographic associations established in Japan there is every reason to anticipate early application for membership.

In preparation for the next general meeting of the Secretariat, Mrs. Cameron has nego-

tiated successfully with the President of the Xth International Congress of Radiology, Montreal 1962, to the effect that Registered Radiological Technicians and Radiographers may register with the Congress as Scientific Associates, in additions to participation in the Congress. Thus the foundations are laid for meetings of the ISRRT during the same period, August 26th to September 1st, 1962.

During the Congress of the Nederlandse Vereniging van Roentgen-laboranten held in May last year in Maastricht, 4 members of the International Committee met together and discussed progress of the International Secretariat up to date. Later in June at the 14th annual conference of The Society of Radiographers, which was held in Llandudno, North Wales, 5 of the 7 members of the International Committee were present and further discussions were held.

It was agreed to formulate a report of the progress of the International Secretariat so far and distribute it to organizations throughout the world. It is hoped that this report will stimulate the interest of these organizations in international co-operation. It is hoped that organizations will support the International Secretariat by applying for membership and by sending contributions, however small, to the appropriate Joint Secretary.

We have a good deal to learn from each other, and only by working closely together and in assisting one another with our difficulties and problems, can a strong and virile organization be established and maintained. We are all striving for high standards of radiography and radiotherapy which are so important to the medical profession and to peoples of all races, creed and colour throughout the world. This Secretariat can do much to build up these standards but only by full and active support can these ideals be maintained.

You are, therefore, earnestly asked to support the Organization by applying for membership and by sending donations or contributions, however small, together with reports of your organization and methods of training and qualifications in your country to the appropriate Secretary.

The second meeting of the ISRRT will be held in Montreal during the Xth International Congress of Radiology from August 26th to September 1st, 1962, when more permanent arrangements for its framework will be established and its officers and committees duly elected. It is hoped that as many countries as possible will be represented at these meetings so that world-wide opinions may be expressed and the foundations which were laid in Munich can be solidly built upon for the future success of the Secretariat.

—(Miss) D. VANDIJK,
Chairman, ISRRT.

1962 PRE-FELLOWSHIP LECTURES

The fourth series of C.S.R.T. Pre-Fellowship Lectures for Registered Radiological Technicians will be held at the University of Saskatchewan, June 4th to June 8th, 1962. We have been assured of accommodation for the registrants. The charge for three meals and room, with two people sharing will be $5.50 to $6.50 per day. This accommodation will be available at the Campus.

No definite outline has been arranged for the course as yet, although subjects such as Physics and various sections of Anatomy not covered previously at the other Pre-Fellowship Lectures, will be offered.

The registration fee will be the same as in the past.

For the members who wish to attend the C.S.R.T. Convention the following week, June 11th to June 15th, at Regina, Saskatchewan, there will be arrangements made for transportation as a group by chartered bus with a stop-over after leaving Saskatoon at some scenic and interesting spot.

We in Saskatoon hope to see you all in '62.

—PAUL J. STRELIOFF, R.T.,
C.S.R.T. Fellowship
Committee Member.

C.S.R.T. FELLOWSHIP COMMITTEE

The 1960-61 Annual Report of this Committee follows and will be given under the following headings:

1. The Committee.

2. Resumé of activities.

3. Recommendations regarding the Academic Fellowship (CSRT) under the sub-headings of

(a) Eligibility of Candidate for Fellowship.
(b) Reciprocity.
(c) Method of application.
(d) Responsibility of Provincial Societies.
(e) The Examining Board.
  i. Setting of Initial Examination (1965).
  ii. Marking of Examination.
  iii. Percentage required for passing.
  iv. Percentage required for passing.
  v. Re-writes.
(f) Fees
  i. Examination fee.
  ii. Annual dues of Fellows.
(g) Syllabus of Training.
(h) Titles and Certificates.
(i) Setting up of Provincial Courses.
(j) Financial Statement.

4. Outline of 1962 Course at University of Saskatchewan (Saskatoon).

5. Resignation of Chairman in order to instil new life into the program.

1. The Committee.

Two new members were added during the year 1960-61 and the Committee stands as follows:

Chairman, Mr. A. A. King, R.T., Ottawa Civic Hospital; Members: Mr. A. Wilkinson, B.Sc., R.T., Royal Victoria Hospital, Montreal; Mr. F. Calloway, R.T., Royal Alexandra Hospital, Edmonton; Miss S. Archer, R.T., Royal Victoria Hospital, Montreal; Mr. P. Strelioff, R.T., University Hospital, Saskatoon.

2. Resumé of Activities.

The first series of Pre-Fellowship Lectures (CSRT) was held at Queen's University from May 25-29, 1959. The attendance was forty-five. The overwhelming success of the first venture set the pace for the ensuing years and was followed in 1960 by the second series held at the University of Alberta from June 6-June 10, 1960. The second series was also an outstanding success, the attendance here being fifty-four.

Your Committee Chairman regrets his inability to attend the Second Series but at the time had just made a move from Hamilton to the Ottawa Civic Hospital.

The 1961 Series of Pre-Fellowship Lectures.

Your Committee is pleased to report that Mr. A. Wilkinson has been able to arrange for both a French Course and an English Course to be held in Montreal, June 19-23 inclusive.

French Course.

This will be carried out on much the same basis as in Kingston and Edmonton. Billets, meals and lecture space will be provided by the University of Montreal. At the time of writing of this report over 70 have registered for this course, which is being looked after by the Rev. Sister Judith.

English Course.

Living accommodation is not possible at McGill University. At time of writing approximately 50 have registered for this course.

A joint luncheon for both courses is planned.

Lecture space in Room No. 204 of the new McConnell Engineering Building has been obtained.

Both programs have been sent to all CSRT members in good standing.

Mr. Wilkinson has arranged to have 100 rooms reserved at the Laurentian Hotel at the following rates:

Single—$9.50 per day.
Double—$12.00 per day.
Twin—$13.00 per day.

3. Recommendations regarding the Academic Fellowship (CSRT)

Much correspondence has taken place between the Committee members and other committees interested. After due consideration the following recommendations are made.

(a) Eligibility of Candidate for Fellowship.

Active membership and support of the CSRT is a prerequisite for consideration of a Fellow. The term "Fellow" in respect to a CSRT member must command respect and thus be an indication of qualification of the highest degree as well as of high moral character. It is considered that a candidate must have at least five years' post graduate

experience before applying for Fellowship. A "point system" is considered desirable in order to assess a candidate's eligibility to write the Fellowship examination. A suggested system has been sent to all directors of the CSRT.

(b) Reciprocity.

A member of any Society enjoying reciprocity with the CSRT would be eligible to apply for Fellowship examination, provided such a member meets all the requirements as mentioned in 3(a) above. It is felt by some members of this Committee that a period of CSRT membership of no less than three years should be required in the case of a member joining by reciprocity; this would eliminate transient members from applying.

(c) Method of Application for Fellowship Examination.

Your Committee feels that an application form should be prepared by the CSRT and that initial applications should be sent out from that office. Upon completion of these forms it would then be the duty of the Provincial Society to verify the statements as made.

(d) Responsibility of the Provincial Societies.

All candidates for CSRT Fellowship examination should be recommended by the Executive Committee of their respective Provincial Society. All statements made by applicant should be attested to and the necessary recommendations as to the suitability of the candidate be obtained by the Provincial Society before forwarding to the Executive Secretary of the CSRT.

(s) The Examining Board.

i. The target date for the setting of the first CSRT examination should be March, 1965.

The Examining Board should consist of the following members:

1 Radiologist (Diagnostic).

1 Radiotherapist.

1 Physicist (Radiation).

1 Anatomist.

3 Radiological Technicians, one of whom would act as Chairman and at least one of whom should be an R.T.(T.).

ii. It is strongly felt that those responsible for setting this examination should also mark the same.

iii. A passing percentage of 75 should be required in all subjects with no upgrading under any circumstances.

iv. It is felt that the written examination could be done in the respective province of the candidate but that the oral examination should be done by a specially selected Board which would be asked to meet the candidate some time immediately prior to the Annual Convention of the CSRT and in the city of such convening.

v. Re-writes would be allowed after two years and if candidate was unsuccessful the second time, an additional five years should be spent before re-application is made.

(f) Fees.

i. The Examination Fee should be $50.00 and no portion would be returned if candidate failed.

ii. The annual dues of a Fellow should be the same as an ordinary member.

It is considered advisable to publish some sort of training syllabus with an outline of what would be expected of a Fellow on examination.

(h) Titles and Certificates.

An Honorary Fellow of the CSRT would be shown as F.C.S.R.T.(Hon.). The academic Fellow as an F.C.S.R.T. An appropriate certificate should be issued by the CSRT.

(i) This Committee would like once again to encourage Provincial Societies to sponsor advanced courses for Radiological Technicians. The Province of Quebec is anxious to continue having French Courses and this Committee approves of their efforts.

4. Appended to this report you will find a brief outline of the 1962 Course to be held at University of Saskatchewan.

5. The Chairman of this Committee would like herewith to tender his resigntion in order to open the way for new members who, I am sure, have much to offer.

6. The Financial Statement of this Committee is attached herewith.

C.S.R.T. FELLOWSHIP ACCOUNT

Receipts:

Returned from W. E. Booth & Co. of the honorarium paid by Queen's University (Dept. of Extension) ....$	44.85
Mr. F. Calloway proceeds of 1960 Pre-Fellowship Lecture Series (see itemized report)	512.01
	$ 556.86
Less Exchange	.75
	$ 556.11

Disbursements:

Expenses of Committee Chairman re 1961 Series:	
1, Telephone Call; 2, Trip to Montreal from Ottawa; 3, Postage .....$	20.65
Balance as of April 1st, 1961 .....$	535.46

Note: The first series was handled by the Department of Extension at Queen's University and no expense or profit occurred.

The above report is respectfully submitted.

—A. A. KING, R.T.,
Chairman.

THE INTERNATIONAL SECRETARIAT OF RADIOGRAPHERS AND RADIOLOGICAL TECHNICIANS

will meet concurrently with

THE TENTH INTERNATIONAL CONGRESS OF RADIOLOGY

MONTREAL, CANADA, AUGUST 26 - SEPTEMBER 1, 1962

by kind permission of

The President of the Congress — Arthur C. Singleton, M.D.

The Secretary-General — Carleton B. Pierce, M.D.

also the Board of Management of the Congress

The International Secretariat was formed at Munich, Germany, on the occasion of the Ninth International Congress of Radiology in 1959. Representatives of twenty-four Nations conferred as to a desirable form of World Organization, to act as a constructive agent in the assembling and circulation of data pertaining to the organization and education of Radiological Technicians throughout the world, also to disseminate the knowledge of longer established organizations to benefit those of more recent origin. The seven appointed members of the Secretariat have steadily pursued these objectives and may now claim the participating membership of eleven national groups in the World Organization. Enthusiastic preparations are now being made for the Second World Congress as outlined above. To this meeting the qualified, registered technicians of all countries are invited. It will be the privilege of such Radiographers and Radiotherapy Technicians to be registered with the Radiological Congress as "Technical Associates", and to be admitted to all Congress lectures offered by the world's leading Radiologists. The theme of the scientific programme will be that of NEW KNOWLEDGE AND NEW RESEARCH since the Ninth Congress, and as yet unpublished.

INTERNATIONAL SECRETARIAT

A very large attendance of radiologists and Scientific exhibitors is anticipated; therefore Radiographers and Radio-Therapy technicians wishing to attend the Congress should notify the Chairman, Canadian Committee of Arrangement, 318 Shoreview Ave., Burlington, Ontario, Canada, at the earliest possible moment, in order that preliminary programs, enrolment forms, etc., could be forwarded.

Enrolment is necessary by January 31st, 1962, with payment of registration fee of $40.00.

Accommodation is being provided within a varied price range, and information regarding this will be forwarded upon application to the address listed above.

Attending Radiographers will share in the business sessions arranged by the International Secretariat of the Radiographers and Radiological Technicians. An interesting and varied social program is also now under the process of arrangement.

A preliminary outline of the Secretariat program will be forwarded in the near future to organized Societies and Radiological Technicians throughout the world.

CANADA—The International Secretariat and Canadian Committee of Arrangement extend a very warm invitation to qualified Radiographers of all countries to attend the Second World Congress of Radiographers and Radiological Technicians and to participate in the Tenth International Congress of Radiology in Montreal, Canada, August 26th - September 1st, 1962.

Members of the Secretariat: Radiographers and Radiological Technicians.
Chairman—Miss D. Van Dijk, Maastricht, Holland.
Jt. Secretary—Mr. K. C. Denley, 32 Welbeck St., London, W.1, England.
Jt. Secretary—Mrs. M. Cameron, 318 Shoreview Ave., Burlington, Ontario.
Miss K. C. Clark, Tavistock House, Tavistock Sq., London, W.C.1, England.
Miss Friedel Werner, Henrichstrasse 86, Dusseldorf, Germany.
Mrs. Lisa Falk, Radiumstationer, Copenhagen, Denmark.
Mr. Charles Smith Kimuoji, Central Hospital, P.O. Box 1934, Kumasi, Ashanti, Ghana.

Mrs. Mary F. Cameron, R.T.
Chairman, Canadian Committee of Arrangement,
318 Shoreview Ave.,
Burlington, Ontario, Canada.

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President, Mr. G. Archibald Wilkinson; Vice-President, Miss M. Jane Martin. On motion of Hood-Martin ballots were destroyed.

Scrutineers were Messrs. P. Berty, R. Granger and S. Gunston. Thanks, gentlemen.

BOARD OF DIRECTORS:

Elected on motion of Hood-Fisk for the ensuing 2-year term were Frank J. Callaway, R.T. (Alberta), re-elected; M. Jane Martin, R.T. (Ontario), re-elected; John Hearn, R.T. (Newfoundland), re-elected; Olive E. Gundrum, R.T. (Manitoba), re-elected; and Claire Belanger, R.T. (Quebec).

Hon. Secretary, Miss O. E. Gundrum; Hon. Treasurer, Mr. H. J. Ward.

Mid-term or extra meetings of the Board of Directors would be called at the discretion of the President.

Agreed on motion of Wilkinson-Hearn that the Associate Membership in the C.S.R.T. be left as is. The decision made last year to include darkroom technicians was rescinded.

Agreed on motion of Martin-Noel that the

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C.S.R.T. discontinue the practice of granting honoraria and substitute a salary for people who are doing a continuing job. Honoraria may be granted in special circumstances.

Agreed on motion of Wilkinson-Fisher that it be the policy of the C.S.R.T. to hold reception for head table guests and such other entertainment the President considers necessary at any convention at which the C.S.R.T. is host and that the President be given the power to arrange for the proper handling of it.

Dr. Chester Warfield, Chairman of the American Registry of X-Ray Technicians, was granted an Honorary Life Membership in the C.S.R.T.

Dr. J. G. Stapleton of Hamilton, Ontario, was chosen to present the Welch Memorial Lecture in 1962 at Regina, Saskatchewan.

Messrs. W. Doern, R.T., and D. G. Sage, R.T., were re-appointed Canadian counsellors in the A.S.X.T.

Dr. John G. Stapleton was awarded the Dr. M. Mallett Award for 1961-62.

TECHNICAL TRAINING COMMITTEE: Report accepted as printed on motion of Bowman-Newell. Resolution No. 1 referred to this Committee for investigation and consideration.

HISTORIAN'S REPORT: Accepted as printed on motion of Doern-Rev. Sr. Judith Marie.

REGISTRAR'S REPORT: Accepted as printed on motion of Maloney-Flanagan.

Total membership in good standing has increased approximately 200 over 1960. Over 400 names have been added to the Register.

Members who have neglected to pay their dues or resign while in good standing, and later wish to be reinstated will have the choice of re-writing the C.S.R.T. examination or pay $40.00 reinstatement fee plus the current Active dues of the Member Society. The reinstatement fee will be split 50/50 between the Member-Society and the C.S.R.T. The above was agreed on motion of Hearn-Rev. Sr. Judith Marie.

INTERESTING ITEMS:

Invitation presented by the American Society of X-Ray Technicians to meet with them in our Fourth International Convention to be held in 1965 somewhere in U.S.A. was accepted on motion of Gundrum-Fisk.

1962 C.S.R.T. meeting will be held in Regina, Sask., June 12th to 15th, in the Saskatchewan Hotel.

The 1962 Pre-Fellowship Lecture series will be held at the University of Saskatchewan, Saskatoon, June 4th to 18th inclusive.

The 1963 annual meeting of the C.S.R.T. will be held in Ontario, possibly Hamilton. Invitation accepted on motion of Fisk-Doern.

Agreed on motion of Callaway-Bowman that the site of our annual meetings be selected three years in advance and that the invitations be presented soon after the meeting convenes.

Mr. I. R. Fisher, our Immediate Past President, reported on his attendance at the meeting of the Canadian Hospital Association held in May, 1961. He suggested that the C.S.R.T. representative at these meetings should not be changed annually.

Lieut. L. W. Bowman, R.T., was appointed the C.S.R.T. representative on the Atomic Defence Committee of the C.A.R.

Unionism—It was agreed that we would maintain our present stand.

Commercial Exhibits: Agreed on motion of Callaway-Martin that in the future we would make commercial exhibit areas available and that this would be tried out at the 1962 Convention.

Agreed that there should be a GUIDE BOOK for the preparation and handling of the International Conventions.

The A.R.X.T. restricts the writing of its examination to American citizens. Foreign students from accredited schools will be permitted to write the A.R.X.T. examination and given a certificate if successful but they will not become members of the A.R.X.T.

C.S.R.T. Pledge: Complaints have been heard regarding the wording of this pledge. Agreed on motion of Callaway-Ward that suggestions re rewording be circulated and final decision reached at the next annual meeting. Here is the text of the peldge adopted in 1955 (page 195, No. 4, 1955, *Focal Spot*):

"I solemnly pledge that I will cheerfully and willingly assist the radiologist in all diagnostic and therapeutic radiological procedures to the best of my ability:

I will procure the best possible films in all examinations:

I will take care to maintain a professional attitude in my relationship with all patients:

I will regard as strictly confidential all information regarding each patient coming for examination or treatment:

CONDENSED MINUTES, C.S.R.T.

I will not discuss patients nor their affairs outside of the x-ray department:

I will not divulge to the patient the results of any examination:

I will do all in my power to live up to and to improve the highest traditions of my profession.

So help me, God."

Here are two others for consideration—

"I solemnly promise before God to carry out the duties assigned to me faithfully and to the best of my ability:

To remember that a patient's life may depend upon the accuracy and the reliability of my work:

To respect human life and be sympathetic toward all patients:

To hold inviolate the confidence placed in me by both patient and doctor:

To work harmoniously with my fellow technologists and others who care for the sick:

To uphold the ethics and dignity of my profession:

To maintain an open mind toward new ideas and new truths.

So help me, God."

"I solemnly pledge myself, before God and in the presence of this assembly:

To practise my profession in faithfulness:
To let my life be guided by those means that are pure:

I will abstain from ethically questionable practices:

I will at all times keep my patients' welfare as my first consideration:

I will hold in sacred confidence all personal matter gained through the practice of my profession:

I will encourage and promote the art and science of radiological technology:

I will loyally render all possible assistance to the medical practitioner."

May we suggest that all members give some thought to the pledge and let us have your ideas.

Agreed on motion of Callaway-Steski that the C.S.R.T. Secretary be given $600 a year to be used as a contribution towards an annuity or for the purchase of bonds.

The Secretary will arrange for the purchase of certificates for the Refresher Courses.

Lieut. W. E. Noel voiced the thanks of the C.S.R.T. members for the wonderful job that the General Chairman and the members on all the committees connected with this Convention have done. Hearty applause followed.

Mr. I. R. Fisher extended our thanks to our retiring President, Miss K. M. Creelman.

The 19th Annual General Meeting of the Canadian Society of Radiological Technicians was declared adjourned by the President, Miss Katherine M. Creelman.

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The receipt of the following books from the Macmillan Company of Canada is acknowledged:

X-RAYS, W. E. Schall. John Wright & Sons, Bristol, 348 pp. $8.50.

RADIOGRAPHIC ANATOMY OF THE HUMAN SKELETON, Johnson & Kennedy. E. & S. Livingstone, Edinburgh, 280 pp. $8.50.

A RADIOGRAPHIC INDEX, Goldman, Miller & Cope. John Wright & Sons, Bristol, 78 pp. $2.30.

These will be reviewed in our next issue.

Du Pont of Canada Appointment

John V. Stanley has been appointed assistant product manager, photo products, Du Pont of Canada, the company announced recently. His headquarters will be in Toronto.

The photo products section handles national sales and technical services for Du Pont's medical and industrial x-ray film, engineering, graphic arts and motion picture films, industrial photographic materials, photographic papers, film processing chemicals, and the recently developed "Dycril" photopolymer printing plate.

Mr. Stanley was born in Ottawa and is a graduate of the University of Ottawa (B.Sc. 1947). Since 1951, when he joined the company, he has been a technical representative for the chemicals department, including photo products, in Vancouver. Prior to that he was a technical representative for the Atomic Energy Company of Canada at Ottawa. He is a member of the Chemical Institute of Canada.

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X-Ray Technician, excellent personnel policies. Apply: Flora M. Lamont, Administrator, Shriners Hospital for Crippled Children, 1529 Cedar Avenue, Montreal 25, Que.

Applications are invited from female technicians to fill vacancies in an active 164 bed hospital with a complete new department. For further particulars write to the: Administration of Providence Hospital, Moose Jaw, Sask.

Chief Radiographer (male R.T. or M.S.R.) required. Non-resident. New hospital, 389 beds. Fully accredited. One month vacation per annum. Pension scheme. Reply stating full particulars to the Superintendent, St. Thomas Elgin General Hospital, St. Thomas, Ont.

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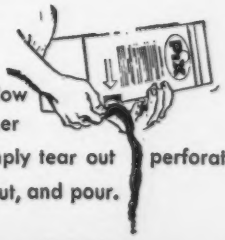

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